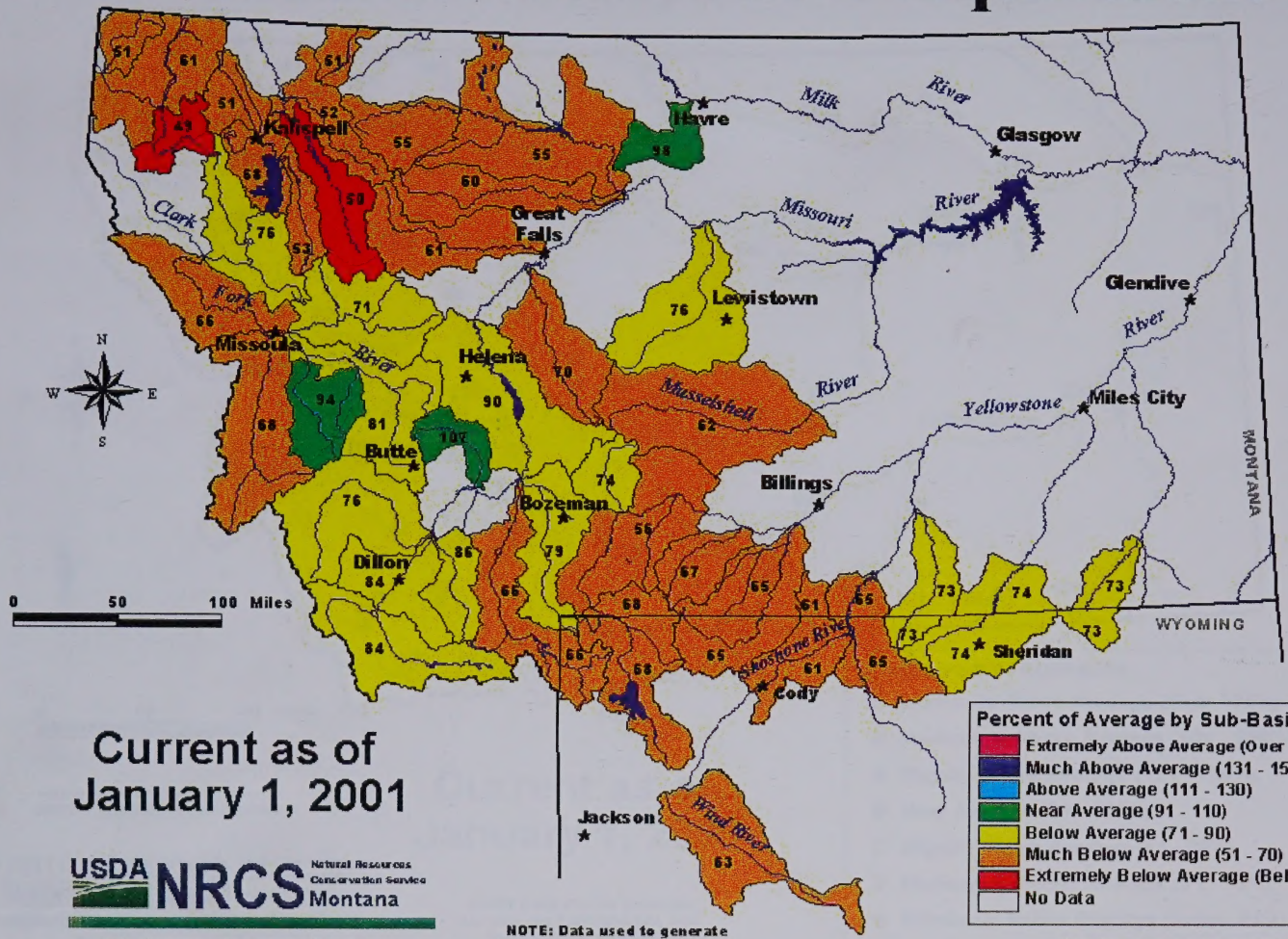
UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

Mountain Snow Water Equivalent



Current as of January 1, 2001

USDA NRCS Natural Resources Conservation Service Montana

http://www.mt.nrcs.usda.gov

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

Percent of Average by Sub-Basin

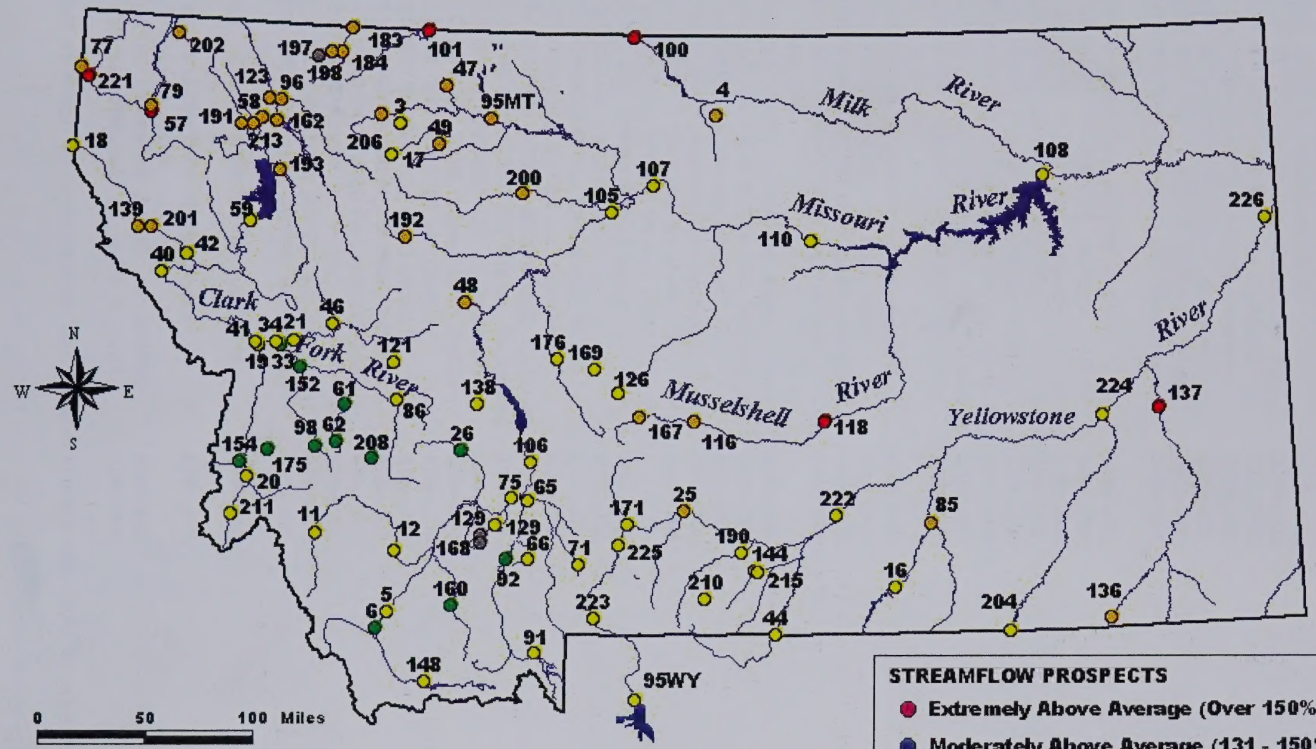
- Extremely Above Average (Over 150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)
- No Data

Numbers represent percent of average for individual sub-basins.

UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

Streamflow Prospects for Montana



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Current as of January 1, 2001

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STREAMFLOW PROSPECTS

- Extremely Above Average (Over 150%)
- Moderately Above Average (131 - 150%)
- Slightly Above Average (111 - 130%)
- Near Average (91 - 110%)
- Slightly Below Average (71 - 90%)
- Moderately Below Average (51 - 70%)
- Extremely Below Average (Below 51%)
- No Data Available

USDA NRCS Natural Resources Conservation Service Montana

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ID	Forecast Point	Period	Percent of Average*
108	MISSOURI RIVER below Fort Peck	APR-JUL	77
110	MISSOURI RIVER nr Landusky	APR-JUL	80
116	MUSSELSHELL at Harlowton	APR-JUL	62
118	MUSSELSHELL nr Roundup	APR-JUL	48
121	NEVADA CREEK nr Finn	APR-JUL	79
123	NF FLATHEAD nr Columbia Falls	APR-JUL	65
126	NF MUSSELSHELL nr Delpine	APR-JUL	72
136	POWDER RIVER at Moorehead	APR-JUL	57
137	POWDER RIVER near Locate	APR-JUL	50
138	PRICKLY PEAR CREEK nr Clancy	APR-JUL	80
139	PROSPECT CREEK at Thompson Falls	APR-JUL	63
144	COONEY RESERVOIR Inflow	APR-JUL	77
148	LIMA RESERVOIR Inflow	APR-JUL	88
152	ROCK CREEK nr Clinton	APR-JUL	98
154	COMO RESERVOIR Inflow	APR-JUL	92
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167	SF MUSSELSHELL abv Martinsdale	APR-JUL	68
169	SHEEP CREEK nr White Sulphur Spg	APR-JUL	74
171	SHIELDS RIVER nr Livingston	APR-JUL	86
175	SKALKAHO CK nr Hamilton	APR-JUL	98
176	SMITH RIVER abv Eagle Creek	APR-JUL	77
183	ST. MARY RIVER at US/CAN Border	APR-JUL	65
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190	STILLWATER RIVER nr Absarokee	APR-JUL	78
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213	WHITEFISH nr Kalispell	APR-JUL	58
215	LOWER WILLOW CK RES Inflow	APR-JUL	86
217	WILLOW CREEK Reservoir Inflow	APR-JUL	79
221	YAAK RIVER nr Troy	APR-JUL	48
222	YELLOWSTONE RIVER at Billings	APR-JUL	80
223	YELLOWSTONE RIVER at Corwin Spgs.	APR-JUL	81
224	YELLOWSTONE RIVER at Miles City	APR-JUL	77
225	YELLOWSTONE RIVER near Livingston	APR-JUL	81
226	YELLOWSTONE RIVER nr Sidney	APR-JUL	75
950	YELLOWSTONE at Lake Outlet	APR-JUL	80

*Assumes average precipitation and temperatures for the forecast period.

Streamflow Prospects January 1, 2001

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3	BADGER CREEK nr Browning	APR-JUL	72
4	BEAVER CREEK near Havre	MAR-JUL	68
5	BEAVERHEAD RIVER at Barretts	APR-JUL	87
6	BEAVERHEAD RIVER nr Grant	APR-JUL	91
11	BIG HOLE R BLW BIG LAKE	APR-JUL	73
12	BIG HOLE RIVER nr Melrose	APR-JUL	71
16	BIGHORN RIVER nr St. Xavier	APR-JUL	72
17	SWIFT RESERVOIR Inflow	APR-JUL	71
18	CLARK FK at Whitehorse Rpds	APR-JUL	77
19	BITTERROOT at Missoula	APR-JUL	89
20	BITTERROOT nr Darby	APR-JUL	84
21	BLACKFOOT RIVER nr Bonner	APR-JUL	78
25	BOULDER RIVER at Big Timber	APR-JUL	69
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33	CLARK FORK abv Milltown	APR-JUL	91
34	CLARK FORK abv Missoula	APR-JUL	83
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48	DEARBORN R NR CRAIG	APR-JUL	70
49	DUPUYER CREEK nr Valier	APR-JUL	65
57	FISHER RIVER nr Libby	APR-JUL	47
58	FLATHEAD at Columbia Falls	APR-JUL	67
59	FLATHEAD Lake Inflow	APR-JUL	67
61	FLINT CREEK blw Boulder Ck	APR-JUL	95
62	FLINT CREEK nr Southern Cross	APR-JUL	95
65	GALLATIN RIVER at Logan	APR-JUL	88
66	GALLATIN RIVER nr Gateway	APR-JUL	89
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105	MISSOURI RIVER at Fort Benton	APR-JUL	80
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USDA United States Department of Agriculture

Natural Resources Conservation Service

Montana Basin Outlook Report January 1, 2001

Basin Outlook Reports
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:
See Attached List

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C., 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

Basin Outlook Reports
and
Federal - State - Private
Cooperative Snow Surveys

United States Department of Agriculture
Natural Resources Conservation Service
Bozeman, Montana

Where to Get More Information

Beaverhead County
Victor Hager
683-4963

Big Horn County
Ken Scalzone
665-3442

Blaine County
Matthew Crampton
357-2320

Broadwater County
Kelly Morris
266-3146

Carbon County
Gregory Evertz
962-3641

Carter County
Wayne Yost
775-6355

Cascade County
Katrina Huotte
727-7580

Chouteau County
Sandy Smith
622-5627

Custer County
Terry Heck
232-7905

Daniels County
Stanley French
487-2872

Dawson County
Linda Peterson-Lohse
365-5566

Deer Lodge County
Glen Green
846-1703

Fallon County
Ann Fischer
778-2217

Fergus County
Theodore Hawn
538-7401

Flathead County
Mary Pochelon
752-4242

Gallatin County
Gordon Hill
522-4018

Garfield County
Clarence Clayton
557-2232

Glacier County
Mark Johnson
873-4292

Golden Valley County
John Rouane Jr.
323-2103

Granite County
Annette Johnson
859-3291

Hill County
Jamie Selting
265-6792

Jefferson County
Laurel Ovitt
287-3215

Judith Basin County
Rick Caquelin
566-2311

Lake County
David Wolf
676-2841

Lewis and Clark County
Lex Riggle
449-5278

Liberty County
Dawn Wickum
759-5778

Lincoln County
Kirk Sullivan
296-2233

Madison County
Mike Barron
842-5741

McCone County
Regan Fanning
485-2744

Meagher County
Otto Ohlson
547-3633

Mineral County
Joe Wang
829-3395

Missoula County
Joe Wang
829-3395

Musselshell County
John Rouane Jr.
323-2103

Park County
Ron Hoagland
222-2899

Petroleum County
Nikki Lott
429-6646

Phillips County
Lorna Philp
654-1334

(over)

Pondera County
Lanny Walker
278-3922

Powder River County
Carol Hilliard
436-2417

Powell County
Glen Green
846-1703

Prairie County
Bob Prongua
635-5381

Ravalli County
Lane Johnson
363-5010

Richland County
Dave Haverkamp
433-2103

Roosevelt County
Robert Bray
787-5232

Rosebud County
Rocky Schwagler
356-7333

Sanders County
Don Feist
826-3701

Sheridan County
Tim Solberg
765-1801

Silver Bow County
Laurel Ovitt
287-3215

Stillwater County
Philip Sandoval
322-5359

Sweet Grass County
Dan Glasgow
932-5160

Teton County
Stacy Denny-Eneboe
466-5722

Toole County
Misty Vermulm
434-5234

Treasure County
Stewart Greer
342-5510

Valley County
Denise Wiedenheft
228-4337

Wheatland County
John Oiestad
632-5534

Wibaux County
Katrina Johnson
796-2211

Yellowstone County
Shad Weber
657-6135

1/9/01

UNITED STATES DEPARTMENT OF AGRICULTURE

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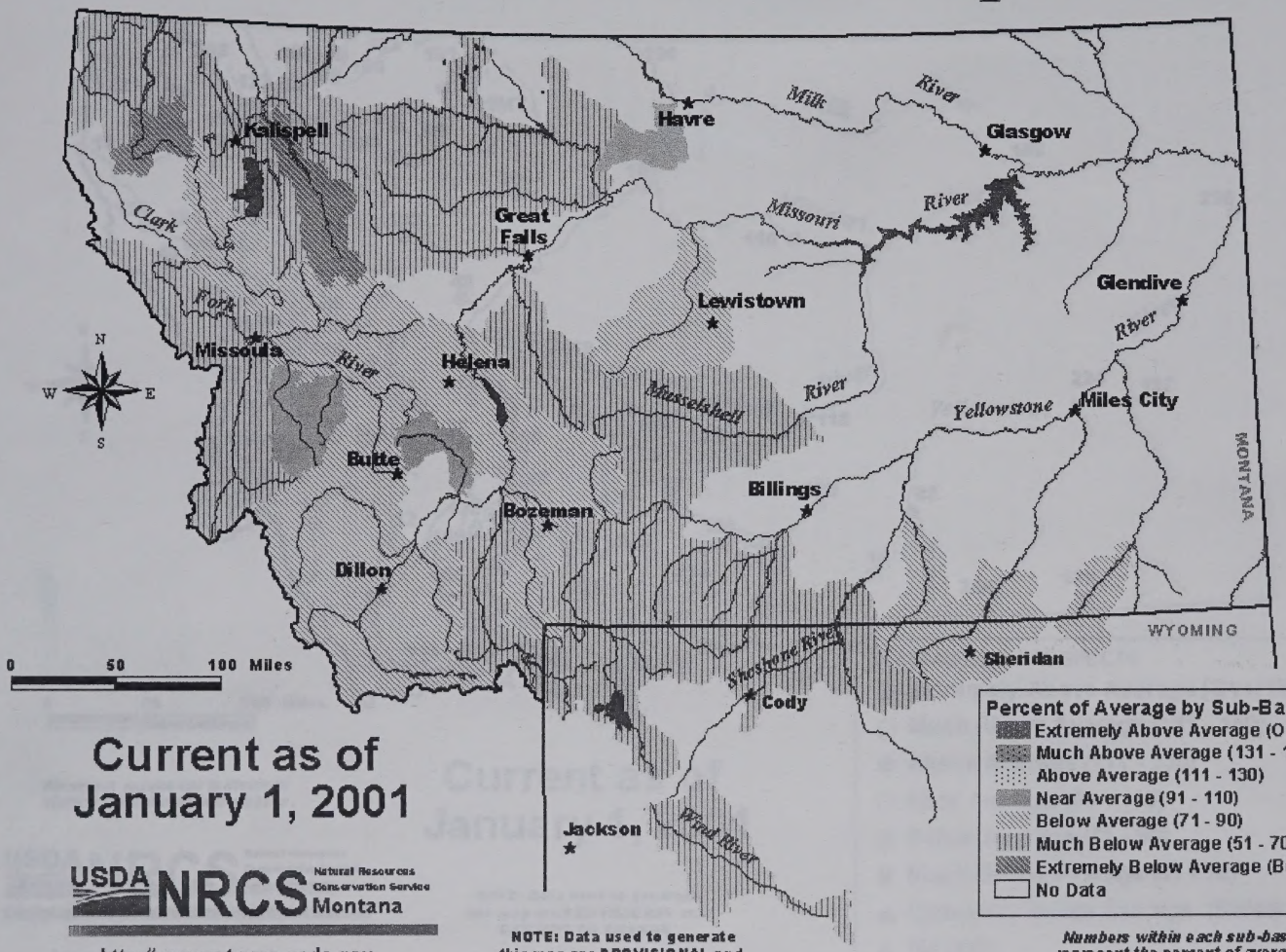

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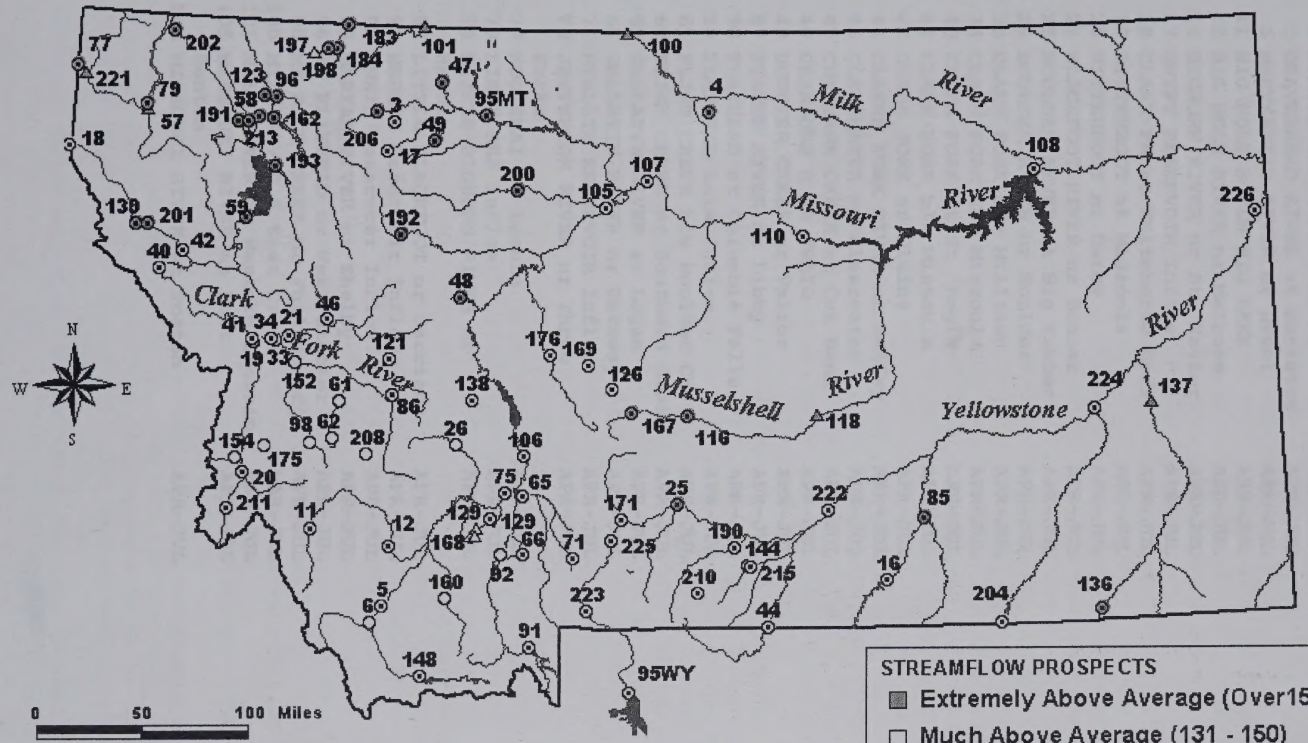

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*Assumes average precipitation and temperatures for the forecast period.

SUMMARY OF MONTANA SNOTEL AND SNOW COURSE DATA

JANUARY 2001

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-90
ALBRO LAKE PILLOW	8300	1/01/01	---	6.5	4.4	10.4
ASHLEY LAKE	4000	1/01/01	12	2.2	1.6	2.4
ASHLEY DIVIDE	4820	1/01/01	14	2.8	2.2	3.4
BADGER PASS PILLOW	6900	1/01/01	---	6.9	10.6	14.2
BANFIELD MTN PILLOW	5600	1/01/01	---	5.7	7.3	9.0
BARKER LAKES PILLOW	8250	1/01/01	---	5.6	3.3	6.8
BASIN CREEK PILLOW	7180	1/01/01	---	4.0	2.7	3.6
BEAGLE SPGS PILLOW	8850	1/01/01	---	4.8	2.9	3.7
BEAVER CREEK PILLOW	7850	1/01/01	---	6.7	6.8	7.9
BISSON CREEK PILLOW	4920	1/01/01	---	3.1	3.1	3.9
BLACK BEAR PILLOW	7950	1/01/01	---	12.3	12.3	15.6
BLACK PINE PILLOW	7100	1/01/01	---	3.9	4.3	4.9
BLACKTAIL	5650	1/02/01	18	4.3	5.5	5.8
BLOODY DICK PILLOW	7550	1/01/01	---	3.4	5.7	5.1
BOULDER MTN PILLOW	7950	1/01/01	---	5.5	6.8	8.4
BOX CANYON PILLOW	6700	1/01/01	---	3.4	4.7	4.8
BOXELDER CREEK	5100	12/27/00	16	3.6	2.3	4.3
BRACKETT CR PILLOW	7320	1/01/01	---	6.4	7.4	8.5
CALVERT CR PILLOW	6430	1/01/01	---	2.2	3.8	4.1
CARROT BASIN PILLOW	9000	1/01/01	---	10.1	10.3	11.9
CHESSMAN RESERVOIR	6200	12/29/00	10	1.4	.6	1.5
CLOVER MDW PILLOW	8800	1/01/01	---	8.0	6.2	7.9
COLE CREEK PILLOW	7850	1/01/01	---	4.3	3.4	7.7
COMBINATION PILLOW	5600	1/01/01	---	2.2	1.4	2.3
COPPER BOTTOM PILLOW	5200	1/01/01	---	3.4	4.6	4.7
COPPER CAMP PILLOW	6950	1/01/01	---	6.7	11.5	13.6
COYOTE HILL	4200	12/27/00	16	3.0	3.6	4.1
CRYSTAL LAKE PILLOW	6050	1/01/01	---	6.2	6.1	5.3
DAISY PEAK PILLOW	7600	1/01/01	---	2.9	4.2	6.1
DALY CREEK PILLOW	5780	1/01/01	---	4.3	4.0	5.3
DARKHORSE LK. PILLOW	8700	1/01/01	---	9.2	15.9	15.5
DEADMAN CR PILLOW	6450	1/01/01	---	3.5	6.7	4.4
DISCOVERY BASIN	7050	12/27/00	22	4.4	3.4	4.4
DIVIDE PILLOW	7800	1/01/01	---	6.9	2.8	4.8
DIX HILL	6400	12/31/00	20	4.5	4.9	5.0
DUPUYER CREEK PILLOW	5750	1/01/01	---	2.8	2.3	4.8
EMERY CREEK PILLOW	4350	1/01/01	---	3.6	6.1	7.2
FISH CREEK	8000	12/27/00	21	5.1	2.9	4.5
FISHER CREEK PILLOW	9100	1/01/01	---	10.3	14.0	15.6
FLATTOP MTN PILLOW	6300	1/01/01	---	10.2	15.3	21.0
FROHNER MDWS PILLOW	6480	1/01/01	---	3.2	2.7	3.4
GARVER CREEK PILLOW	4250	1/01/01	---	3.5	3.9	5.1
GRAVE CRK PILLOW	4300	1/01/01	---	4.8	6.1	7.7
HAND CREEK PILLOW	5030	1/01/01	---	2.7	4.2	5.5
HAWKINS LAKE PILLOW	6450	1/01/01	---	5.7	8.7	13.0
HEBGEN DAM	6550	12/28/00	18	3.1	5.8	4.9
HELL ROARING DIVIDE	5770	12/29/00	25	4.8	11.3	13.0
HOLBROOK	4530	12/28/00	12	2.2	3.3	4.0
HOODOO BASIN PILLOW	6050	1/01/01	---	10.0	15.5	19.0
JOHNSON PARK	6450	12/26/00	12	2.0	4.4	3.3
KRAFT CREEK PILLOW	4750	1/01/01	---	4.5	7.4	6.6
LAKEVIEW RDG. PILLOW	7400	1/01/01	---	3.1	1.8	5.4
LEMHI RIDGE PILLOW	8100	1/01/01	---	5.3	4.2	4.4
LICK CREEK PILLOW	6860	1/01/01	---	4.1	3.6	5.6
LONE MOUNTAIN PILLOW	8880	1/01/01	---	7.8	6.7	7.5
LOWER TWIN PILLOW	7900	1/01/01	---	6.6	5.4	9.5
LUBRECHT PILLOW	4680	1/01/01	---	2.5	2.4	2.4
LUBRECHT FOREST NO 3	5450	12/29/00	13	2.4	3.0	2.6

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-90
LUBRECHT FOREST NO 4	4650	12/29/00	9	1.3	1.0	1.4
LUBRECHT FOREST NO 6	4040	12/29/00	11	1.9	1.2	1.6
LUBRECHT HYDROPLOT	4200	12/29/00	14	1.9	2.0	2.8
MADISON PLT PILLOW	7750	1/01/01	---	6.8	6.6	10.1
MANY GLACIER PILLOW	4900	1/01/01	---	4.2	4.9	7.3
MARIAS PASS	5250	12/28/00	21	5.8	5.4	6.7
MAYNARD CREEK	6210	12/27/00	18	3.4	4.2	5.8
MONUMENT PK PILLOW	8850	1/01/01	---	7.3	9.1	9.5
MOSS PEAK PILLOW	6780	1/01/01	---	10.1	11.8	16.1
MT LOCKHART PILLOW	6400	1/01/01	---	5.4	7.0	8.8
MULE CREEK PILLOW	8300	1/01/01	---	6.2	7.0	6.8
NEVADA RIDGE PILLOW	7020	1/01/01	---	5.3	7.3	6.0
NEZ PERCE CMP PILLOW	5650	1/01/01	---	4.1	6.3	5.7
NOISY BASIN PILLOW	6040	1/01/01	---	7.3	16.1	17.2
N.F. ELK CR PILLOW	6250	1/01/01	---	3.9	4.9	4.6
NF JOCKO PILLOW	6330	1/01/01	---	9.8	18.4	19.1
N.E. ENTRANCE PILLOW	7350	1/01/01	---	2.8	5.1	4.0
OPHIR PARK	7150	12/31/00	24	5.6	6.0	7.0
PETERSON MDW PILLOW	7200	1/01/01	---	4.3	2.8	4.2
PICKFOOT CRK PILLOW	6650	1/01/01	---	3.3	3.6	4.9
PIKE CREEK PILLOW	5930	1/01/01	---	5.0	8.6	11.4
PIPESTONE PASS	7200	12/29/00	13	2.0	1.2	2.1
PLACER BASIN PILLOW	8830	1/01/01	---	5.1	6.9	9.4
PORCUPINE PILLOW	6500	1/01/01	---	2.9	2.1	3.2
ROCKER PEAK PILLOW	8000	1/01/01	---	7.0	4.1	6.4
ROCKY BOY PILLOW	4700	1/01/01	---	2.7	1.3	2.2
ROCKY BOY	4700	12/27/00	11	2.0	.7	1.8
SADDLE MTN PILLOW	7900	1/01/01	---	7.1	8.5	11.1
SHORT CREEK PILLOW	7000	1/01/01	---	2.3	1.7	2.5
SHOWER FALLS PILLOW	8100	1/01/01	---	8.3	8.0	10.4
SKALKAHO PILLOW	7260	1/01/01	---	7.4	8.6	9.8
S.F. SHIELDS PILLOW	8100	1/01/01	---	5.9	4.4	7.5
SPOTTED BEAR MTN.	7000	12/28/00	20	4.1	7.2	6.6
SPUR PARK PILLOW	8100	1/01/01	---	6.9	8.9	9.8
SLEEPING WOMAN PILL	6150	1/01/01	---	4.5	5.4	6.1
STAHL PEAK PILLOW	6030	1/01/01	---	8.0	13.7	16.0
STORM LAKE	7780	12/27/00	26	6.0	3.8	5.4
STUART MOUNTAIN PILL	7400	1/01/01	---	9.6	12.9	12.6
SUCKER CREEK	3960	12/27/00	2	.6	.0	.6
TAYLOR ROAD	4080	12/27/00	11	2.0	.3	2.0
TEN MILE LOWER	6600	12/29/00	15	3.0	2.3	3.0
TEN MILE MIDDLE	6800	12/29/00	21	4.3	3.0	4.7
TEPEE CREEK PILLOW	8000	1/01/01	---	5.7	4.7	5.7
TIZER BASIN PILLOW	6840	1/01/01	---	4.7	4.4	4.8
TRINKUS LAKE	6100	12/28/00	40	9.9	21.0	18.7
TRUMAN CREEK	4060	12/31/00	13	2.6	1.0	2.0
TV MOUNTAIN	6800	1/01/01	---	5.6E	6.4	7.2
TWELVEMILE PILLOW	5600	1/01/01	---	5.4	7.8	7.2
TWENTY-ONE MILE	7150	1/01/01	22	4.3	5.5	7.3
TWIN LAKES PILLOW	6400	1/01/01	---	10.2	17.3	16.3
UPPER HOLLAND LAKE	6200	12/28/00	35	7.8	14.6	15.8
WALDRON PILLOW	5600	1/01/01	---	3.0	3.9	5.0
WARM SPRINGS PILLOW	7800	1/01/01	---	7.3	8.2	9.4
WEASEL DIVIDE	5450	12/28/00	29	6.4	11.9	15.3
WEST YELLOWSTONE	6700	1/01/01	14	2.4	3.0	4.8
WEST YELL'ST PILLOW	6700	1/01/01	---	2.5	3.2	5.1
WHISKEY CREEK PILLOW	6800	1/01/01	---	3.3	5.0	7.0
WHITE MILL PILLOW	8700	1/01/01	---	6.9	10.6	11.4
WOOD CREEK PILLOW	5960	1/01/01	---	2.6	3.5	4.4

Montana Water Supply Outlook Report as of January 1, 2001

There have been several storms move across Montana beginning in October and November. Storms have varied as to the amount of snow produced. In some areas the lack of storms has made for near record low snowpack. November and the first part of December were cold. December temperatures west of the divide were 2 to 3 degrees below average while temperatures east of the divide were 4 to 8 degrees below average.

Snowpack

On January 1, mountain snowpack should be about 40 percent of the winter accumulation and by February 1 should be about 60 percent. Mountain snowpacks are quite variable across the state for this time of year and generally below those of last year. Snowpack in southwest Montana is the highest while the Flathead, Sun/Teton/Marias, and Lower Yellowstone River Basins are near record lows. Mountain snow water content statewide was 68 percent of average and 81 percent of last year. West of the Continental Divide, mountain snow water content was 64 percent of average and 72 percent of last year and East of the Continental Divide, was 71 percent of average and 95 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	64	72
KOOTENAI	54	59
FLATHEAD	56	65
UPPER CLARK FORK	81	92
BITTERROOT	68	71
LOWER CLARK FORK	66	67
MISSOURI	76	97
MISSOURI HEADWATERS	80	102
JEFFERSON	84	109
MADISON	74	99
GALLATIN	79	97
MISSOURI MAINSTEM	76	94
HEADWATERS MAINSTEM	90	111
SMITH-JUDITH-MUSSELSHELL	73	78
SUN-TETON-MARIAS	57	76
MAINSTEM ABOVE FT. PECK RES	72	86
MILK	98	228
ST. MARY	51	71
ST. MARY & MILK	62	97
YELLOWSTONE	68	94
UPPER YELLOWSTONE	67	85
LOWER YELLOWSTONE (WYOMING)	67	102
WIND	63	143
SHOSHONE	61	89
BIGHORN	65	90
TONGUE	74	87
POWDER	73	89

Precipitation

December mountain and valley precipitation across the state was 65 percent of average and 67 percent of last year, while the water year precipitation was 79 percent of average and 85 percent of last year.

West of the Continental Divide, December mountain and valley precipitation was 61 percent of average and 61 percent of last year and the water year precipitation was 64 percent of average and 59 percent of last year. East of the Divide, December mountain and valley precipitation was 68 percent of average and 73 percent of last year and the water year precipitation was 90 percent of average and 113 percent of last year.

RIVER BASIN	DECEMBER % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	61	64
KOOTENAI	54	44
FLATHEAD	60	54
UPPER CLARK FORK	66	90
BITTERROOT	65	78
LOWER CLARK FORK	62	60
MISSOURI	65	92
JEFFERSON	57	102
MADISON	61	92
GALLATIN	66	83
MISSOURI MAINSTEM	61	115
SMITH-JUDITH-MUSSELSHELL	70	88
SUN-TETON-MARIAS	75	68
MILK	83	83
ST. MARY	58	42
YELLOWSTONE	80	79
UPPER YELLOWSTONE	84	77
LOWER YELLOWSTONE (WYOMING)	79	88
WIND	73	62
SHOSHONE	97	87
BIGHORN	72	78
TONGUE	83	77
POWDER	96	83

Reservoirs

Major reservoir storages statewide were 100 percent of average and 94 percent of last year.

Reservoir storage west of the Continental Divide was 104 percent of average and 97 percent of last year. East of the Continental Divide, reservoir storages were 93 percent of average and 88 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	104	97
KOOTENAI	123	103
FLATHEAD	90	90
UPPER CLARK FORK	75	66
BITTERROOT	76	140
LOWER CLARK FORK	100	103
MISSOURI	91	87
JEFFERSON	68	63
MADISON	117	88
GALLATIN	NO REPORT	--
MISSOURI MAINSTEM	87	93
SMITH-JUDITH-MUSSELSHELL	NO REPORT	--
SUN-TETON-MARIAS	104	86
MILK	38	42
ST. MARY	44	49
YELLOWSTONE	100	92
UPPER YELLOWSTONE	99	104
LOWER YELLOWSTONE	100	92

Streamflow

Across Montana, streamflows are forecast to range between 61 and 73 percent of average. There are several basins that are currently forecast to be below the flows forecast at this time last year. Water users and managers need to prepare for below average streamflows if the current snowpack conditions continue.

West of the Continental Divide, streamflows are forecast to range between 62 and 75 percent of average and east of the Continental Divide, streamflows are forecast to range between 61 and 76 percent of average.

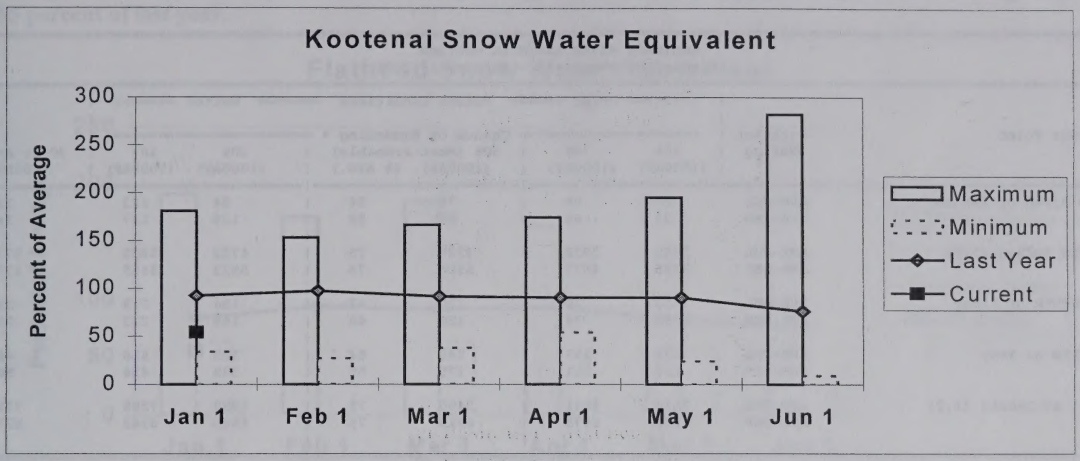
Below are the River Basin streamflow forecasts for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR ABOVE AVERAGE (110% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	April-July THIS YEAR % OF AVERAGE	April-July LAST YEAR % OF AVERAGE
COLUMBIA	62 to 75	74 to 90
KOOTENAI	50 to 61	65 to 93
FLATHEAD	57 to 66	82 to 91
UPPER CLARK FORK	72 to 84	65 to 82
BITTERROOT	75 to 88	82 to 95
LOWER CLARK FORK	58 to 72	76 to 90
MISSOURI	63 to 80	59 to 78
JEFFERSON	62 to 84	47 to 66
MADISON	81 to 90	76 to 86
GALLATIN	77 to 89	73 to 85
MISSOURI MAINSTEM	61 to 79	52 to 67
SMITH-JUDITH-MUSSELSHELL	46 to 67	66 to 86
SUN-TETON-MARIAS	49 to 68	63 to 84
MILK	27 to 50	39 to 74
ST. MARY	61 to 68	79 to 87
YELLOWSTONE	59 to 72	57 to 70
UPPER YELLOWSTONE	66 to 78	63 to 75
LOWER YELLOWSTONE	52 to 67	51 to 65

NOTE: The *APRIL-JULY LAST YEAR % OF AVERAGE* column above, is what was forecast last year, **not** what actually occurred.

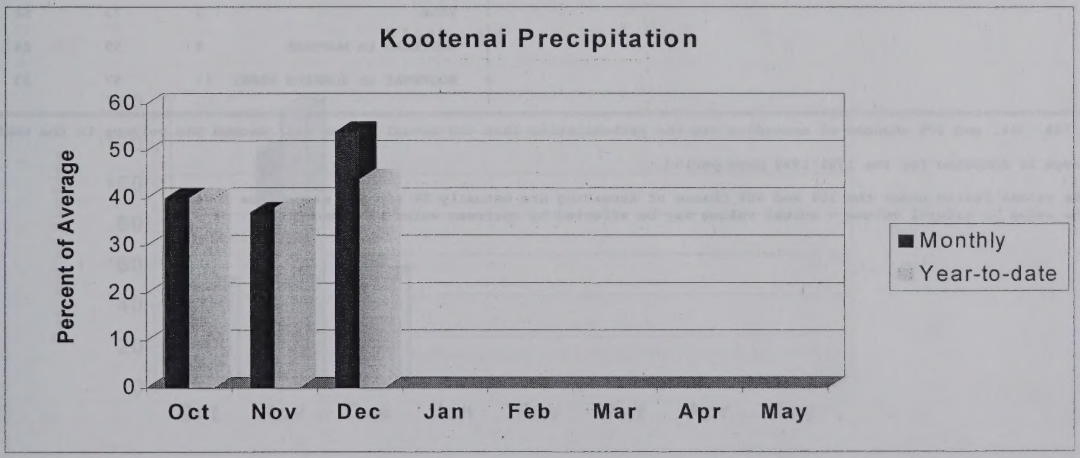
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were well below average and second lowest of record behind 1977. Snow water content was 54 percent of average and 59 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 1977; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1961 through 1990.

Mountain precipitation during December was 50 percent of average and 49 percent of last year. Valley precipitation during December was 86 percent of average and 151 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 44 percent of average and 39 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 50 percent to 61 percent.

Lake Koocanusa storage was 123 percent of average and 103 percent of last year.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TOBACCO RIVER nr Eureka	APR-JUL	27	56	75	56	94	123	133
	APR-SEP	33	64	85	58	106	137	147
LIBBY RES Inflow (1,2)	APR-JUL	3065	3938	4335	75	4732	5605	5779
	APR-SEP	3745	4677	5100	75	5523	6455	6772
FISHER RIVER nr Libby	APR-JUL	59	70	110	47	154	219	234
	APR-SEP	65	74	120	48	166	233	250
YAAK RIVER nr Troy	APR-JUL	104	197	260	54	323	416	483
	APR-SEP	116	211	275	55	339	434	505
KOOTENAI at Leonia (1,2)	APR-JUL	3514	4811	5400	75	5989	7286	7199
	APR-SEP	4178	5575	6210	75	6845	8242	8275

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	3764.0	3643.0	3050.0

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
KOOTENAY in CANADA	8	54	52
KOOTENAI MAINTSTEM	3	54	61
TOBACCO	3	61	49
FISHER	1	64	49
YAAK	2	73	51
KOOTENAI in MONTANA	9	59	54
KOOTENAI ab BONNERS FERRY	17	57	53

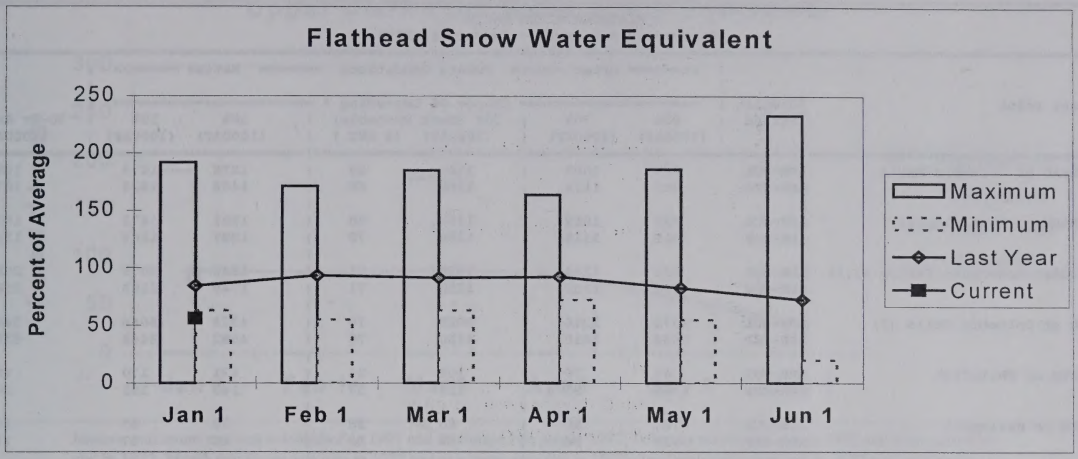
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

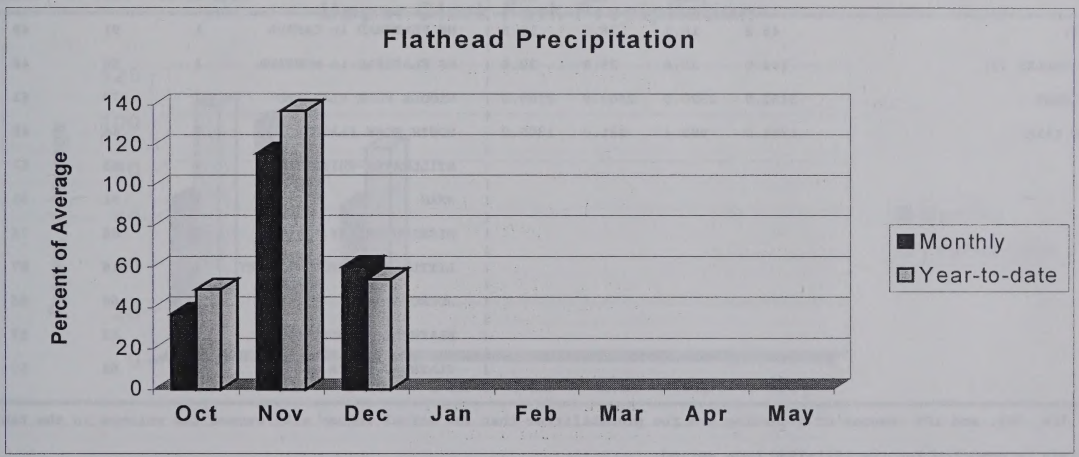
Flathead River Basin

Snowpack conditions in the Flathead River Basin were well below average and have set a new record low. Previous lowest years were 1988 and 1977 respectively. Snow water content was 56 percent of average and 65 percent of last year.



January maximum swe was established in 1997 and minimum was in 1988; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum was in 1992; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1961 through 1990.

Mountain precipitation during December was 60 percent of average and 62 percent of last year. Valley precipitation during December was 69 percent of average and 135 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 54 percent of average and 45 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 57 percent to 66 percent.

Combined Camas reservoir storage was 97 percent of average and 68 percent of last year; combined Mission Valley reservoir storage was 100 percent of average and 131 percent of last year; Hungry Horse storage was at 97 percent of average and 87 percent of last year; and Flathead Lake storage was 76 percent of average and 101 percent of last year.

FLATHEAD RIVER BASIN
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
NF FLATHEAD nr Columbia Falls	APR-JUL	807	1005	1140	69	1275	1473	1662
	APR-SEP	900	1114	1260	69	1406	1620	1836
MF FLATHEAD nr West Glacier	APR-JUL	827	1019	1150	70	1281	1473	1638
	APR-SEP	911	1113	1250	70	1387	1589	1788
HUNGRY HORSE Reservoir Inflow (1,2)	APR-JUL	821	1254	1450	71	1646	2079	2051
	APR-SEP	916	1352	1550	71	1748	2184	2184
FLATHEAD at Columbia Falls (2)	APR-JUL	2574	3316	3820	70	4324	5066	5482
	APR-SEP	2834	3618	4150	70	4682	5466	5960
STILLWATER nr Whitefish	APR-JUL	40	79	105	56	131	170	189
	APR-SEP	49	91	120	57	149	191	209
WHITEFISH nr Kalispell	APR-JUL	35	50	60	58	70	85	104
	APR-SEP	39	56	68	59	80	97	116
SWAN RIVER nr Bigfork	APR-JUL	261	344	400	69	456	539	583
	APR-SEP	298	388	450	68	512	602	665
FLATHEAD Lake Inflow (1,2)	APR-JUL	2812	3931	4440	70	4949	6068	6390
	APR-SEP	3148	4291	4810	69	5329	6472	6926

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAMAS (4)	45.2	18.1	26.6	18.6
MISSION VALLEY (8)	100.0	33.8	25.8	33.8
HUNGRY HORSE	3451.0	2520.0	2903.0	2586.0
FLATHEAD LAKE	1791.0	989.4	981.0	1305.0

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
NF FLATHEAD in CANADA	1	91	48
NF FLATHEAD in MONTANA	4	56	46
MIDDLE FORK FLATHEAD	2	79	61
SOUTH FORK FLATHEAD	3	48	48
STILLWATER-WHITEFISH	4	65	51
SWAN	5	51	51
MISSION VALLEY	2	86	76
LITTLE BITTERROOT-ASHLEY	4	116	87
JOCKO	4	68	66
FLATHEAD in MONTANA	20	63	57
FLATHEAD RIVER BASIN	21	64	57

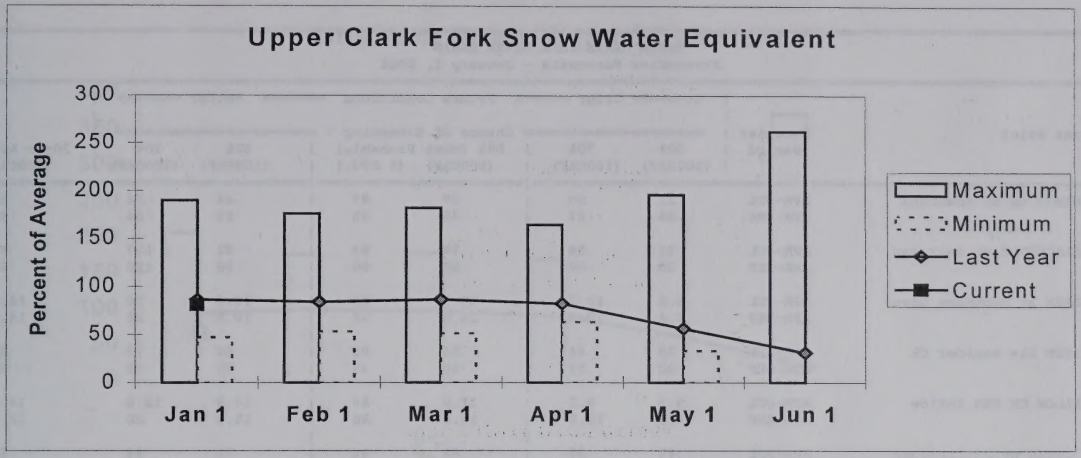
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

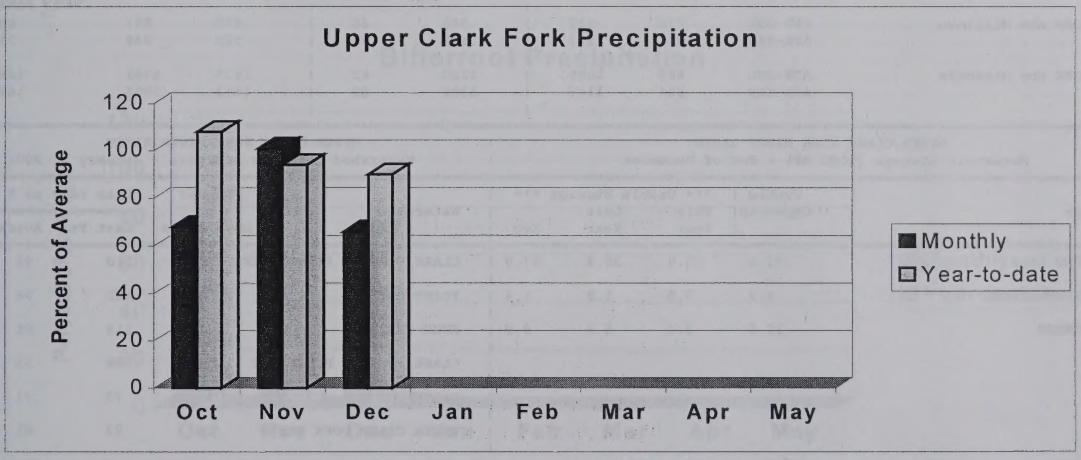
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were below average. Snow water content was 81 percent of average and 92 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum was in 1994; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1961 through 1990.

Mountain precipitation during December was 68 percent of average and 68 percent of last year. Valley precipitation during December was 53 percent of average and 66 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 90 percent of average and 95 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 72 percent to 84 percent.

East Fork Rock Creek storage was 42 percent of average and 38 percent of last year; Georgetown Lake was 84 percent of average and 77 percent of last year; Lower Willow Creek storage was 64 percent of average and 50 percent of last year; and Nevada Creek storage was 87 percent of average and 59 percent of last year.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WARM SPRINGS CK at Anaconda	APR-JUL	21	30	37	97	44	54	38
	APR-SEP	26	37	45	96	53	64	47
LITTLE BLACKFOOT nr Garrison	APR-JUL	31	56	74	89	92	117	83
	APR-SEP	35	62	80	90	98	126	89
FLINT CREEK nr Southern Cross	APR-JUL	6.6	10.7	13.5	95	16.3	20	14.2
	APR-SEP	7.4	12.5	16.0	96	19.5	25	16.7
FLINT CREEK blw Boulder Ck	APR-JUL	29	44	54	95	64	79	57
	APR-SEP	38	56	68	93	80	98	73
LOWER WILLOW CK RES Inflow	APR-JUL	5.2	9.2	12.0	86	14.8	18.8	14.0
	APR-SEP	6.0	10.2	13.0	88	15.8	20	14.8
MF ROCK CREEK nr Philipsburg	APR-JUL	40	53	62	94	71	84	66
	APR-SEP	46	60	70	95	80	94	74
ROCK CREEK nr Clinton	APR-JUL	195	252	290	98	328	385	296
	APR-SEP	222	283	325	98	367	428	333
NEVADA CREEK nr Finn	APR-JUL	5.4	11.1	15.0	79	18.9	25	19.1
	APR-SEP	7.0	13.0	17.0	81	21	27	21
CLEARWATER nr Clearwater	APR-JUL	90	120	140	81	160	190	172
	APR-SEP	93	124	145	80	166	197	181
BLACKFOOT RIVER nr Bonner	APR-JUL	405	560	665	80	770	925	835
	APR-SEP	465	629	740	80	851	1015	926
CLARK FORK abv Milltown	APR-JUL	276	442	555	85	668	834	652
	APR-SEP	331	515	640	85	765	949	755
CLARK FORK abv Missoula	APR-JUL	689	1005	1220	82	1435	1751	1487
	APR-SEP	804	1147	1380	82	1613	1956	1681

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GEORGETOWN LAKE	31.0	23.5	30.7	27.9
LOWER WILLOW CREEK	4.9	0.9	1.8	1.4
NEVADA CREEK	12.6	3.4	5.8	3.9

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	10	110	92
FLINT CREEK	5	132	98
ROCK CREEK	3	116	91
CLARK FORK ab BLACKFOOT	15	108	91
BLACKFOOT	13	73	71
UPPER CLARK FORK BASIN	26	92	81

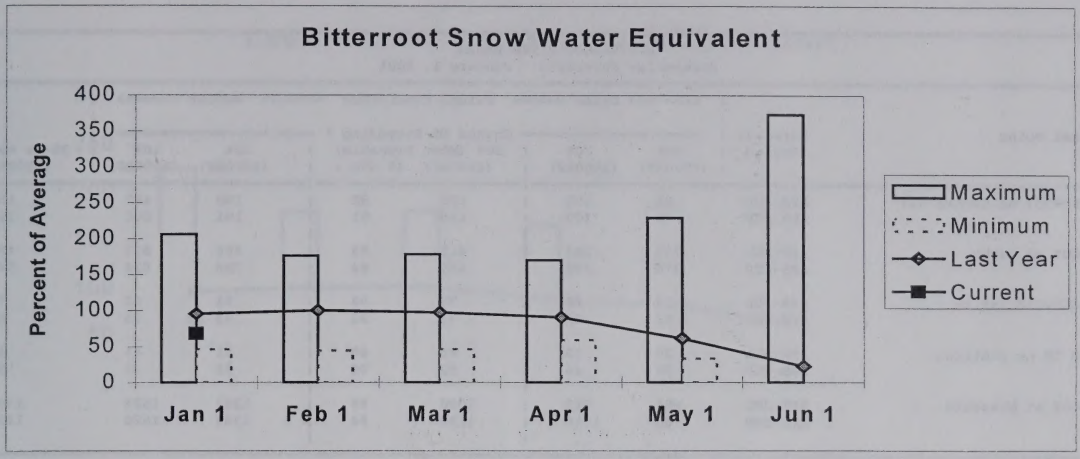
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

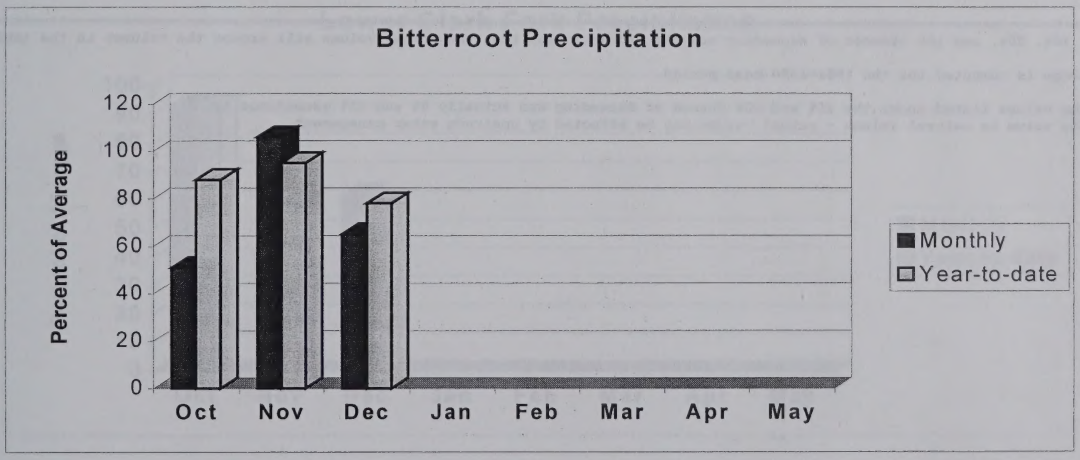
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were well below average. Snow water content was 68 percent of average and 71 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1977; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and minimum swe was in 1987 and 1992. Average is for the period 1961 through 1990.

Mountain precipitation during December was 68 percent of average and 58 percent of last year. Valley precipitation during December was 43 percent of average and 68 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 78 percent of average and 77 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 75 percent to 88 percent.

Painted Rocks Lake storage was 63 percent of average and 116 percent of last year and Como storage was 97 percent of average and 178 percent of last year.

BITTERROOT RIVER BASIN
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF BITTERROOT nr Conner (2)	APR-JUL	63	100	125	82	150	187	152
	APR-SEP	70	109	135	81	161	200	166
BITTERROOT nr Darby	APR-JUL	239	344	415	85	486	591	491
	APR-SEP	276	382	455	84	528	634	540
COMO RESERVOIR Inflow	APR-JUL	54	65	73	92	81	92	79
	APR-SEP	58	69	77	93	85	96	83
SKALKAHO CK nr Hamilton	APR-JUL	29	39	45	98	51	61	46
	APR-SEP	35	45	52	98	59	69	53
BITTERROOT at Missoula	APR-JUL	654	913	1090	84	1267	1526	1300
	APR-SEP	760	1016	1190	84	1364	1620	1420

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
PAINTED ROCKS LAKE	31.7	8.8	7.6	13.9
COMO	34.9	8.7	4.9	9.0

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	2	76	67
EAST SIDE BITTERROOT	3	89	72
WEST SIDE BITTERROOT	3	62	64
BITTERROOT RIVER BASIN	7	71	68

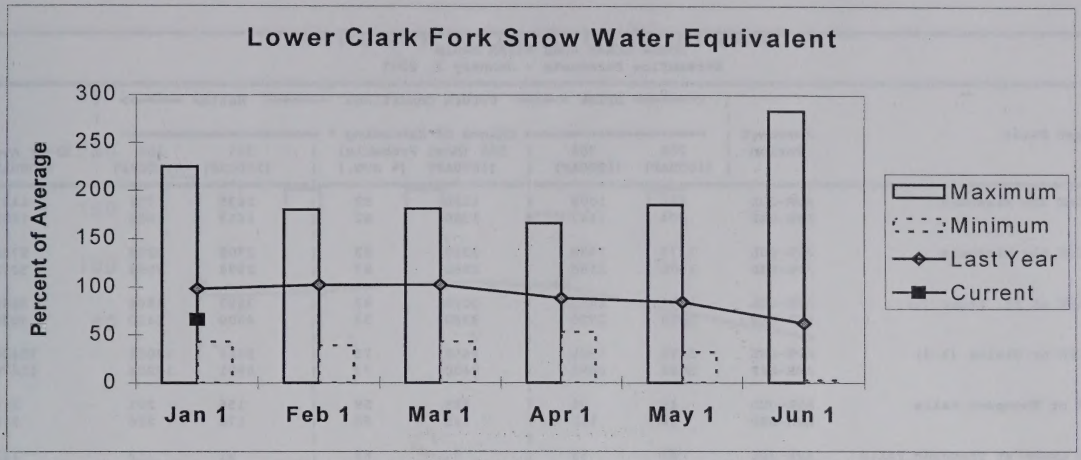
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

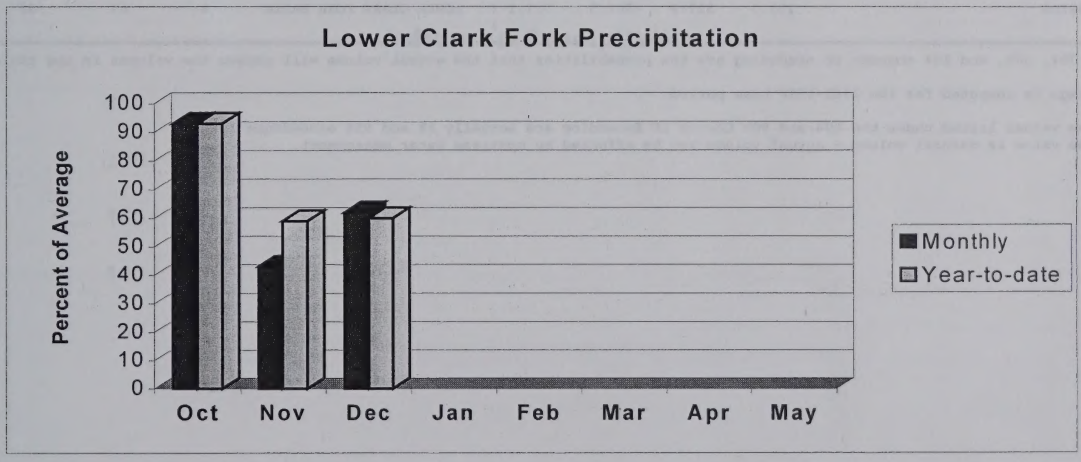
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were well below average. Snow water content was 66 percent of average and 67 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum swe was in 1981; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1961 through 1990.

Mountain precipitation during December was 62 percent of average and 59 percent of last year. Valley precipitation during December was 61 percent of average and 64 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 60 percent of average and 53 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 58 percent to 72 percent.

Noxon Rapids storage was 100 percent of average and 103 percent of last year.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
CLARK FORK abv Missoula	APR-JUL	689	1005	1220	82	1435	1751	1487
	APR-SEP	804	1147	1380	82	1613	1956	1681
CLARK FORK blw Missoula	APR-JUL	1377	1938	2320	83	2702	3263	2788
	APR-SEP	1606	2186	2580	83	2974	3554	3099
CLARK FORK at St. Regis (1)	APR-JUL	1174	2443	3020	82	3597	4866	3686
	APR-SEP	1310	2720	3360	82	4000	5410	4095
CLARK FORK nr Plains (1,2)	APR-JUL	3279	6285	7650	73	9015	12021	10450
	APR-SEP	3594	6899	8400	73	9901	13206	11470
THOMPSON nr Thompson Falls	APR-JUL	49	94	125	58	156	201	214
	APR-SEP	64	112	145	60	178	226	240
PROSPECT CREEK at Thompson Falls	APR-JUL	42	63	77	63	91	112	123
	APR-SEP	49	70	85	64	100	121	132
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	3499	6890	8430	72	9970	13361	11730
	APR-SEP	3853	7585	9280	72	10975	14707	12910

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NOXON RAPIDS	335.0	317.9	307.5	317.1

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
LOWER CLARK FORK BASIN	8	67	66

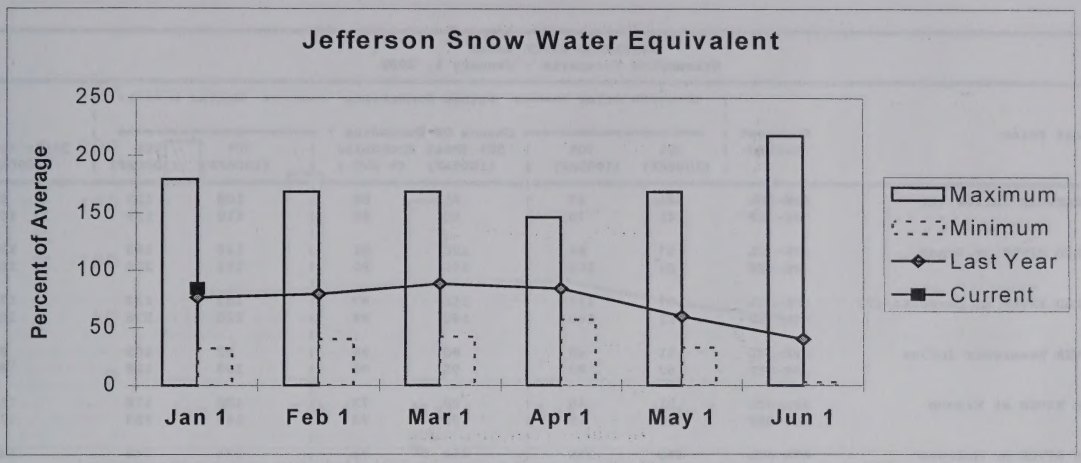
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

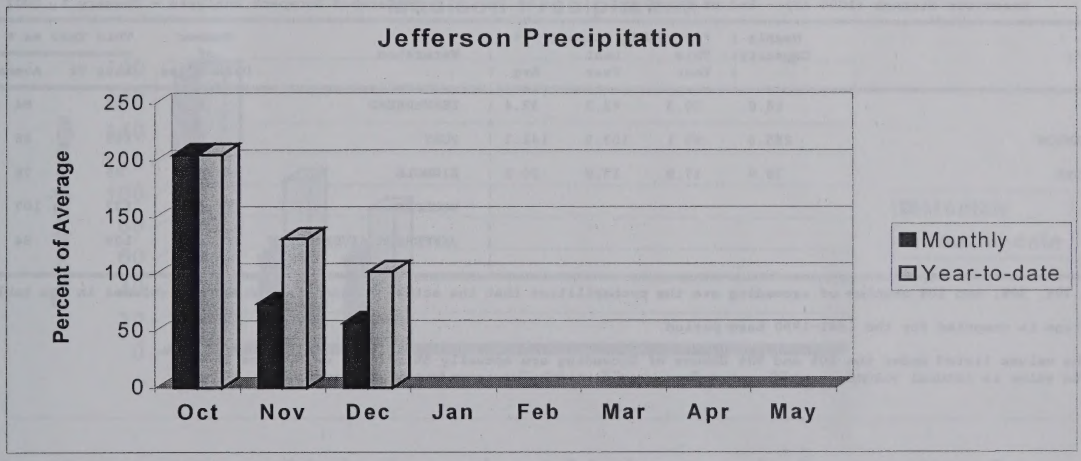
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were below average. Snow water content was 84 percent of average and 109 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1961 through 1990.

Mountain precipitation during December was 58 percent of average and 53 percent of last year. Valley precipitation during December was 48 percent of average and 54 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 102 percent of average and 132 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 62 percent to 84 percent.

Lima storage was 63 percent of average and 48 percent of last year; Clark Canyon storage was 67 percent of average and 62 percent of last year; and Ruby River storage was 89 percent of average and 105 percent of last year.

JEFFERSON RIVER BASIN
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	Chance Of Exceeding * (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LIMA RESERVOIR Inflow (2)	APR-JUL	41	67	85	88	103	129	97
	APR-SEP	41	70	90	86	110	139	105
BEAVERHEAD RIVER nr Grant	APR-JUL	57	94	120	91	146	183	132
	APR-SEP	64	109	140	90	171	216	155
BEAVERHEAD RIVER at Barretts (2)	APR-JUL	67	117	150	87	183	233	172
	APR-SEP	82	140	180	89	220	278	203
RUBY RIVER Reservoir Inflow	APR-JUL	51	68	80	96	92	109	83
	APR-SEP	62	82	95	96	108	128	99
BIG HOLE RIVER at Wisdom	APR-JUL	21	40	80	73	120	178	110
	APR-SEP	21	29	85	73	141	223	117
BIG HOLE RIVER nr Melrose	APR-JUL	162	336	455	71	574	748	641
	APR-SEP	184	372	500	72	628	816	697
BOULDER RIVER nr Boulder	APR-JUL	33	61	80	94	99	128	85
	APR-SEP	37	67	88	97	109	139	91
WILLOW CREEK Reservoir Inflow	APR-JUL	1.0	8.8	14.0	79	19.2	27	17.7
	APR-SEP	1.2	10.0	16.0	80	22	31	20
JEFFERSON RIVER nr Three Forks (2)	APR-JUL	354	590	750	76	910	1146	985
	APR-SEP	411	663	835	83	1007	1259	1012

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LIMA	84.0	20.3	42.3	32.4
CLARK CANYON	255.6	95.1	153.9	142.1
RUBY RIVER	38.8	17.9	17.0	20.2

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	8	98	84
RUBY	5	148	86
BIGHOLE	10	85	76
BOULDER	6	137	107
JEFFERSON RIVER BASIN	24	109	84

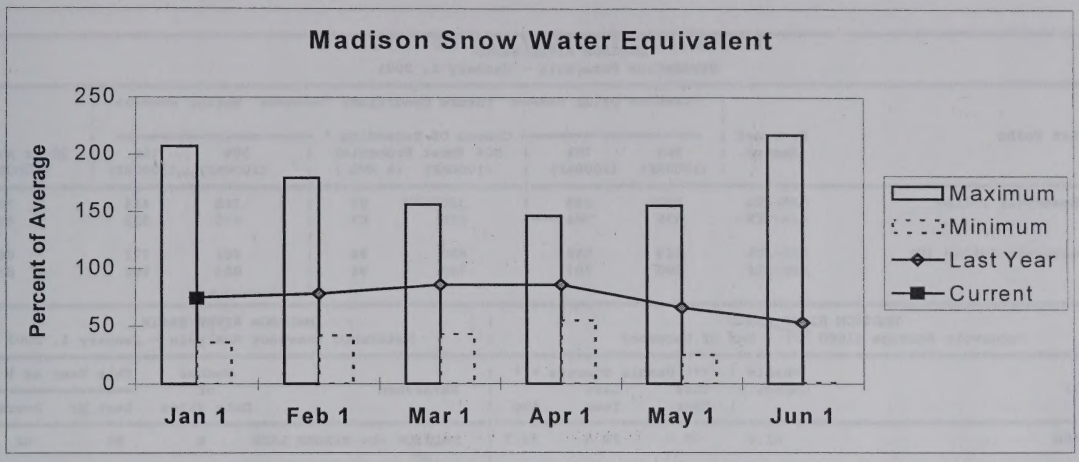
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

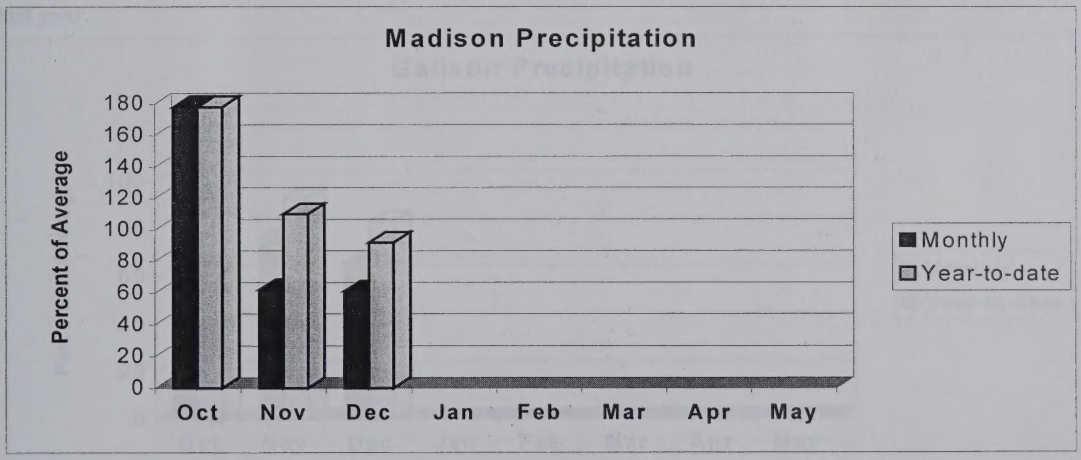
Madison River Basin

Snowpack conditions in the Madison River Basin were below average. Snow water content was 74 percent of average and 99 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 1987. Average is for the period 1961 through 1990.

Mountain and valley precipitation during December was 61 percent of average and 53 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 92 percent of average and 120 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 81 percent to 90 percent.

Ennis Lake storage was 91 percent of average and 106 percent of last year and Hebgen Lake storage was 120 percent of average and 86 percent of last year.

MADISON RIVER BASIN
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
HEBGEN Reservoir Inflow	APR-JUL	244	295	330	87	365	416	380
	APR-SEP	325	384	425	87	466	525	486
ENNIS Reservoir Inflow (2)	APR-JUL	469	559	620	94	681	771	662
	APR-SEP	600	707	780	94	853	960	831

MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ENNIS LAKE	41.0	30.7	28.9	33.7
HEBGEN LAKE	377.5	297.0	344.8	246.8

MADISON RIVER BASIN
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	85	62
MADISON blw HEBGEN LAKE	8	108	83
MADISON RIVER BASIN	14	99	74

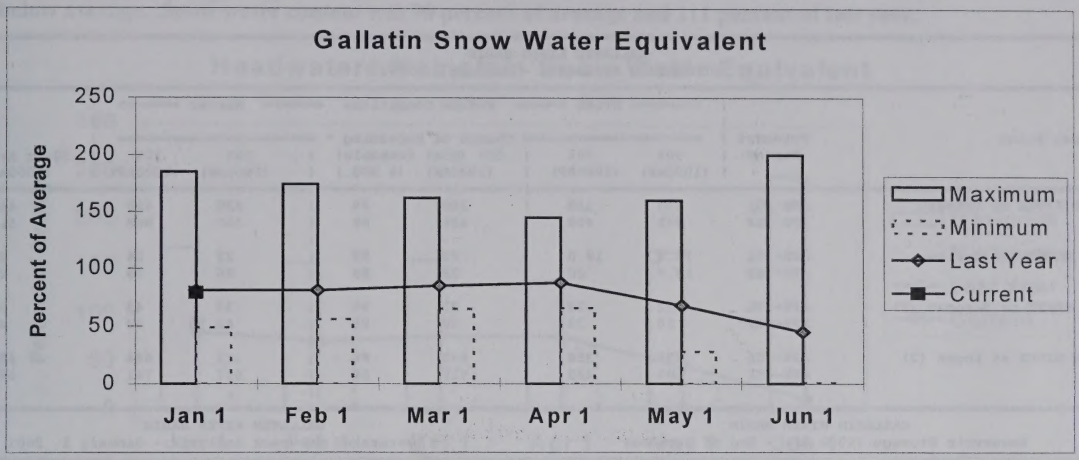
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

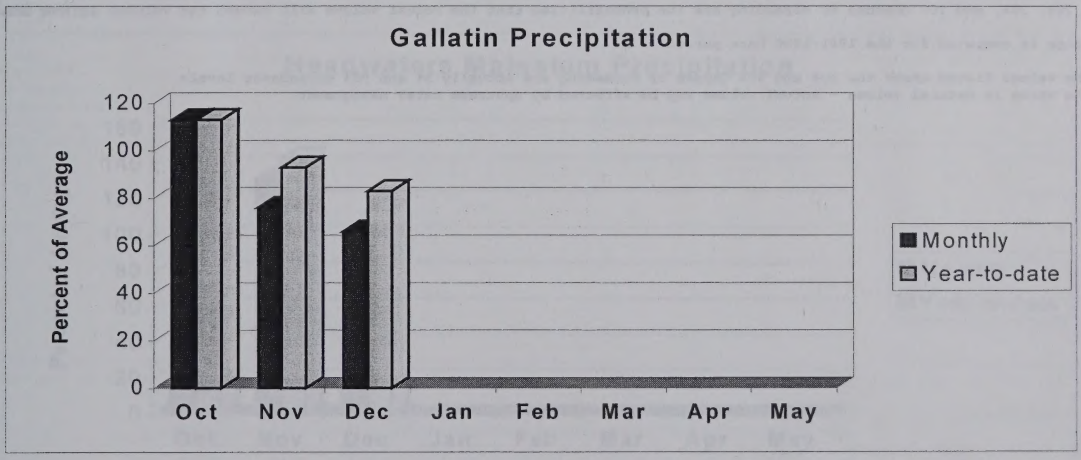
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were below average. Snow water content was 79 percent of average and 97 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1981; March maximum swe was in 1997 and minimum was in 1977 and 1987; April maximum swe was in 1997 and minimum was in 1987; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 1987. Average is for the period 1961 through 1990.

Mountain precipitation during December was 65 percent of average and 55 percent of last year. Valley precipitation during December was 89 percent of average and 105 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 83 percent of average and 110 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 77 percent to 89 percent.

Middle Creek storage was not available.

GALLATIN RIVER BASIN
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GALLATIN RIVER nr Gateway	APR-JUL	290	350	390	89	430	490	440
	APR-SEP	342	409	455	88	501	568	518
HYALITE RESERVOIR Inflow	APR-JUL	14.4	18.0	20	89	23	26	23
	APR-SEP	16.6	20	23	89	26	29	26
HYALITE CREEK nr Bozeman (2)	APR-JUL	22	28	33	90	37	43	36
	APR-SEP	26	33	38	89	42	49	42
GALLATIN RIVER at Logan (2)	APR-JUL	236	358	440	88	522	644	498
	APR-SEP	289	423	515	89	607	741	581

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MIDDLE CREEK		NO REPORT		

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GALLATIN	4	99	84
HYALITE	2	107	77
BRIDGER	2	87	69
GALLATIN RIVER BASIN	8	97	79

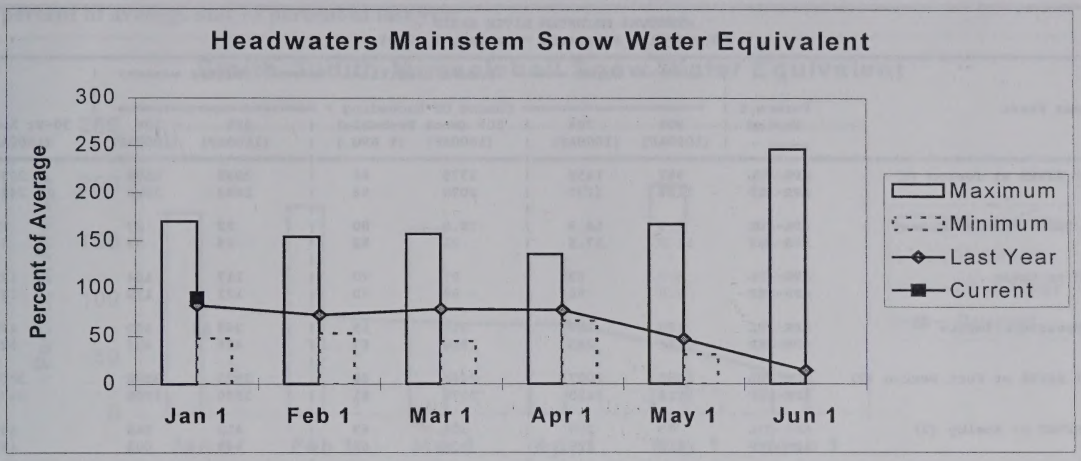
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

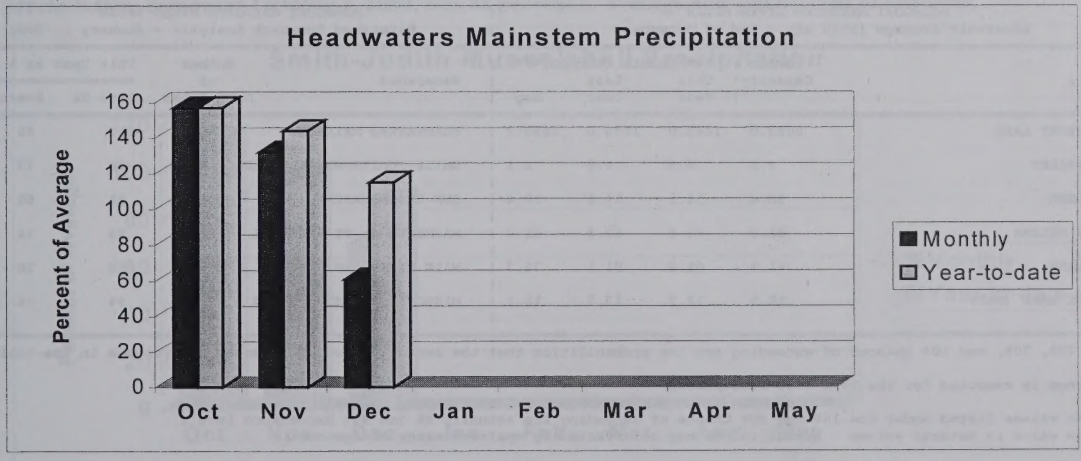
Missouri Mainstem River Basin

Snowpack conditions for the Missouri Mainstem are below average. Snow water content is 76 percent of average and 94 percent of last year. Snowpack in the Headwaters Missouri Mainstem River Basin were below average. Snow water content was 90 percent of average and 111 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum swe was in 1992. Average is for the period 1961 through 1990.

Mountain precipitation during December was 67 percent of average and 60 percent of last year. Valley precipitation during December was 54 percent of average and 175 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 115 percent of average and 172 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 61 percent to 79 percent.

Canyon Ferry Lake storage was 86 percent of average and 92 percent of last year; Helena Valley storage was 127 percent of average and 144 percent of last year; Lake Helena storage was 107 percent of average and 100 percent of last year; Hauser & Helena storage was 103 percent of average and 100 percent of last year; Holter Lake storage was 106 percent of average and 100 percent of last year; and Fort Peck Lake storage was 81 percent of average and 80 percent of last year.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
MISSOURI RIVER at Toston (2)	APR-JUL	992	1458	1775	86	2092	2558	2075
	APR-SEP	1136	1737	2070	86	2403	3020	2416
PRICKLY PEAR CREEK nr Clancy	APR-JUL	9.6	14.9	18.5	80	22	27	23
	APR-SEP	11.2	17.6	22	82	26	33	27
DEARBORN nr Craig	APR-JUL	6.0	53	85	70	117	164	121
	APR-SEP	6.0	55	88	70	121	170	125
GIBSON Reservoir Inflow	APR-JUL	180	257	310	65	363	440	478
	APR-SEP	214	295	350	67	405	486	526
MISSOURI RIVER at Fort Benton (2)	APR-JUL	1332	2007	2465	80	2923	3598	3087
	APR-SEP	1612	2420	2970	81	3520	4708	3678
MARIAS RIVER nr Shelby (2)	APR-JUL	89	200	306	69	412	568	447
	APR-SEP	119	228	336	69	444	603	487
MISSOURI RIVER at Virgelle (2)	APR-JUL	1045	2096	2810	78	3524	4575	3595
	APR-SEP	1982	2626	3340	79	4054	5735	4217
MISSOURI RIVER nr Landusky (2)	APR-JUL	1720	2542	3100	80	3658	4480	3897
	APR-SEP	2153	2960	3690	81	4420	6412	4580
MISSOURI RIVER below Fort Peck (2)	APR-JUL	1274	2361	3100	77	3839	4926	4015
	APR-SEP	1921	2619	3560	80	4501	6209	4467
LAKE SAKAKAWEA Inflow (2)	APR-JUL	4560	6480	7785	79	9090	11010	9897
	APR-SEP	5219	7290	8880	78	10470	13842	11346

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1445.0	1575.0	1690.0
HELENA VALLEY	9.2	6.5	4.5	5.1
LAKE HELENA	10.4	11.1	11.1	10.4
HAUSER & HELENA	61.9	63.6	63.6	61.7
HOLTER LAKE	81.9	81.4	81.1	76.7
FORT PECK LAKE (MAF)	18.9	12.2	15.3	15.1

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
HEADWATERS MAINSTEM	8	110	90
SMITH-JUDITH-MUSSELSHELL	8	78	73
SUN-TETON-MARIAS	6	81	60
MAINSTEM ab FT PECK RES	21	89	74
MILK RIVER BASIN	4	228	98
MISSOURI MAINSTEM BASIN	25	94	76

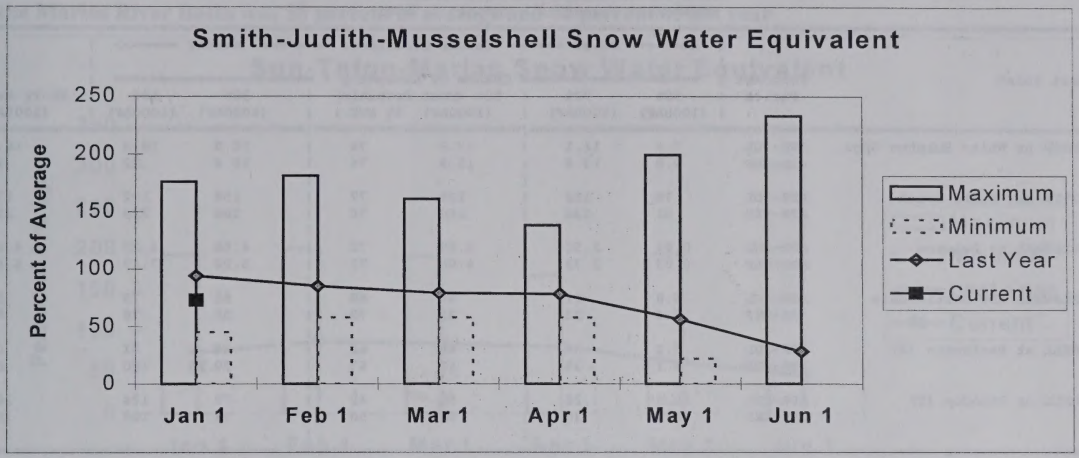
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

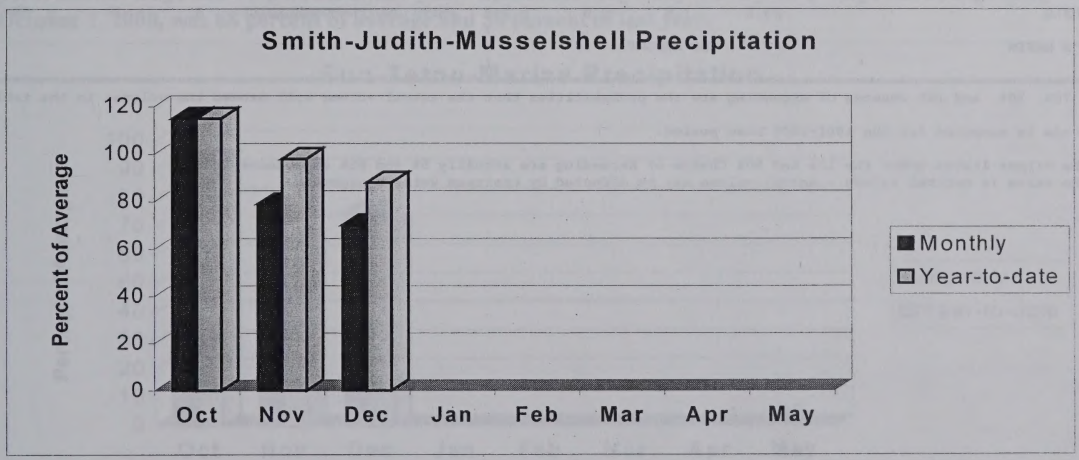
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were below average. Snow water content in the Smith River Basin was 70 percent of average and 74 percent of last year; in the Judith River Basin was 76 percent of average and 75 percent of last year; and in the Musselshell Basin River was 62 percent of average and 73 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1982 and minimum swe was in 1992. Average is for the period 1961 through 1990.

Mountain and valley precipitation during December in the Smith-Belts was 69 percent of average and 60 percent of last year; in the Judith was 72 percent of average and 67 percent of last year; and in the Musselshell was 72 percent of average and 86 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 88 percent of average and 109 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 46 percent to 67 percent.

Smith River storage was was not available; Newlan Creek storage was not available; Bair storage was not available; Martinsdale storage was 20 percent of average and 19 percent of last year; and Deadman's Basin was not available.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SHEEP CREEK nr White Sulphur Spgs.	APR-JUL	7.8	11.1	13.3	74	15.5	18.8	18.1
	APR-SEP	9.8	13.4	15.9	76	18.4	22	21
SMITH RIVER abv Eagle Creek	APR-JUL	78	112	135	77	158	192	175
	APR-SEP	91	132	160	76	188	229	210
NF MUSSELSHELL nr Delpine	APR-JUL	0.64	2.30	3.43	72	4.56	6.22	4.80
	APR-SEP	0.83	2.72	4.00	71	5.28	7.17	5.60
SF MUSSELSHELL abv Martinsdale	APR-JUL	6.8	21	36	68	51	73	52
	APR-SEP	8.4	23	39	70	55	78	56
MUSSELSHELL at Harlowton (2)	APR-JUL	7.2	32	49	62	66	91	80
	APR-SEP	9.1	35	52	63	70	100	83
MUSSELSHELL nr Roundup (2)	APR-JUL	15.0	28	50	48	72	104	104
	APR-SEP	14.0	30	52	50	74	107	105

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
SMITH RIVER		NO REPORT		
NEWLAN CREEK		NO REPORT		
BAIR		NO REPORT		
MARTINSDALE	23.1	1.8	9.5	9.2
DEADMAN'S BASIN		NO REPORT		

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SMITH	4	74	70
JUDITH	4	75	76
MUSSELSHELL	3	73	62
SMITH-JUDITH-MUSSELSHELL	8	78	73

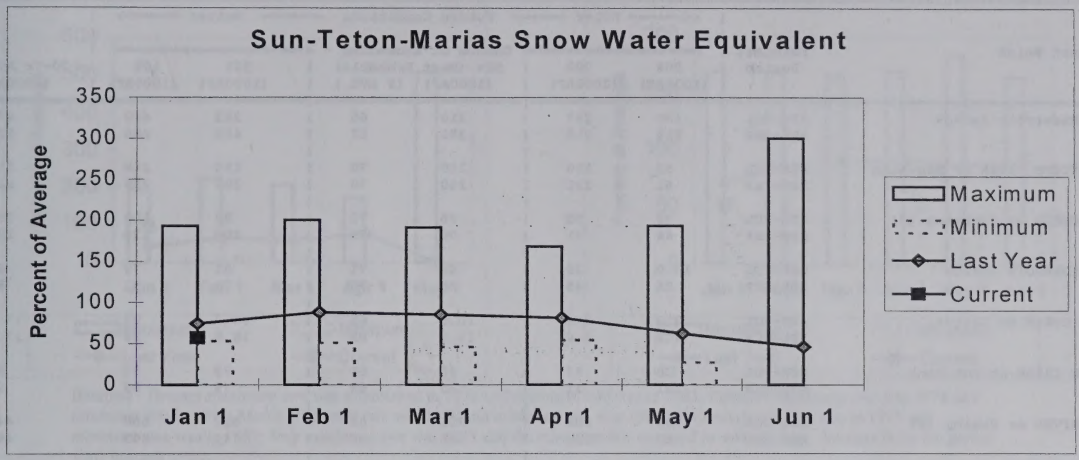
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

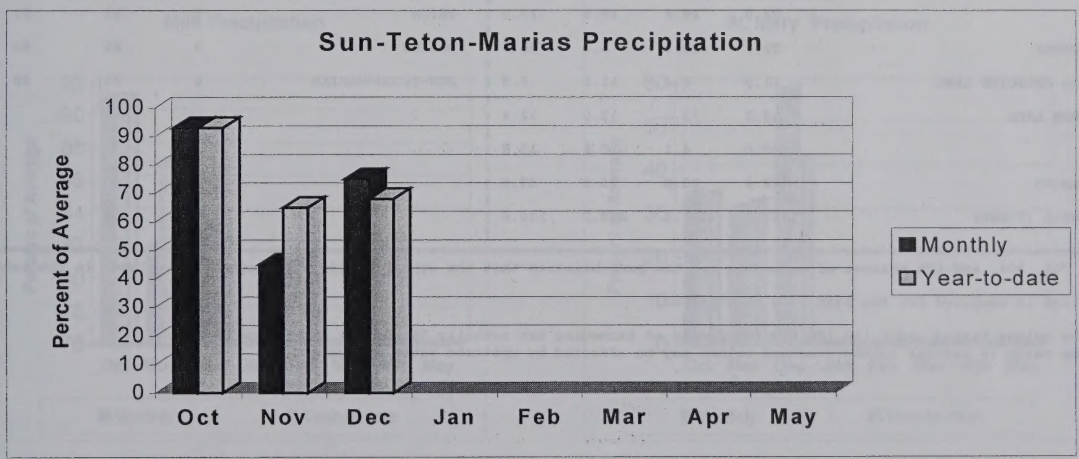
Sun-Teton-Marias River Basins

The combined snowpack conditions for the Sun-Teton-Marias River Basins were well below average and second lowest of record behind 1988 and the same as 1984. Snow water content was 57 percent of average and 76 percent of last year. Snow water content in the Sun River Basin was 61 percent of average and 76 percent of last year; in the Teton River Basin was 60 percent of average and 85 percent of last year; and in the Marias River Basin was 55 percent of average and 76 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1984; April maximum swe was in 1972 and minimum swe was in 1984; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1982 and minimum swe was in 1992. Average is for the period 1961 through 1990.

Mountain and valley precipitation during December in the Sun was 72 percent of average and 96 percent of last year; in the Teton was 83 percent of average and 102 percent of last year; and in the Marias was 73 percent of average and 96 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 68 percent of average and 59 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 49 percent to 68 percent.

Gibson storage was 36 percent of average and 34 percent of last year; Pishkun storage was 108 percent of average and 99 percent of last year; Willow Creek storage was 96 percent of average and 390 percent of last year; Lower Two Medicine Lake storage was 98 percent of average and 54 percent of last year; Four Horns Lake storage was 105 percent of average and 100 percent of last year; Swift storage was 30 percent of average and 38 percent of last year; Lake Frances storage was 33 percent of average and 81 percent of last year; and Lake Elwell (Tiber) storage was 120 percent of average and 88 percent of last year.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GIBSON Reservoir Inflow	APR-JUL	180	257	310	65	363	440	478
	APR-SEP	214	295	350	67	405	486	526
TWO MEDICINE RIVER nr Browning	APR-JUL	52	110	150	70	190	248	215
	APR-SEP	61	120	160	70	200	259	228
BADGER CREEK nr Browning (2)	APR-JUL	32	58	75	72	92	118	104
	APR-SEP	44	71	90	75	109	136	120
SWIFT RESERVOIR Inflow	APR-JUL	17.0	36	48	71	61	79	68
	APR-SEP	25	45	58	73	71	91	80
DUPUYER CREEK nr Valier	APR-JUL	3.3	5.9	10.0	65	16.7	27	15.5
	APR-SEP	4.2	6.4	11.3	65	18.5	29	17.4
CUT BANK CREEK at Cut Bank	APR-JUL	28	47	60	69	73	92	87
	APR-SEP	31	51	65	68	79	99	96
MARIAS RIVER nr Shelby (2)	APR-JUL	89	200	306	69	412	568	447
	APR-SEP	119	228	336	69	444	603	487
TETON nr Dutton	APR-JUL	8.9	23	38	64	53	75	59
	APR-SEP	7.1	29	44	64	59	81	68

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GIBSON	99.1	14.9	43.3	41.0
PISHKUN	32.0	19.4	19.5	17.9
WILLOW CREEK	32.2	19.9	5.1	20.8
LOWER TWO MEDICINE LAKE	11.9	6.4	11.9	6.5
FOUR HORNS LAKE	19.2	13.0	13.0	12.4
SWIFT	30.0	4.1	10.8	13.8
LAKE FRANCES	112.0	20.8	25.6	69.6
LAKE ELWELL (TIBER)	1347.0	708.6	808.2	590.6

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	2	76	61
TETON	3	85	60
MARIAS	3	85	60
SUN-TETON-MARIAS	6	81	60

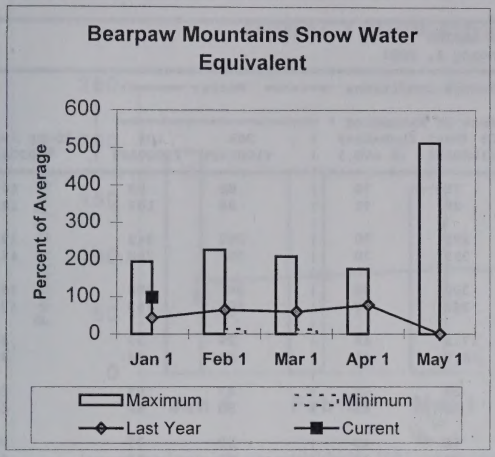
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

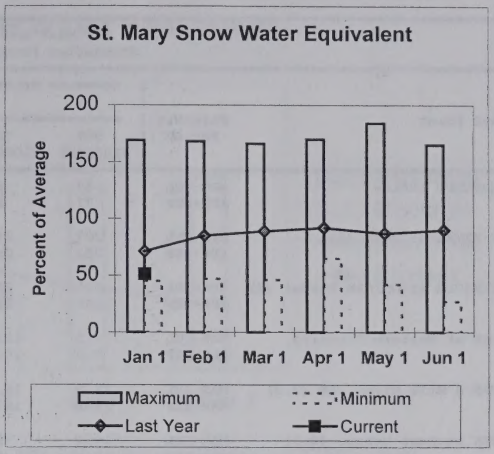
The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

St. Mary and Milk River Basins

Snowpack conditions in the St. Mary and Milk River Basins were well below average and second lowest of record behind 1988. Snow water content in the Saint Mary River Basin was 51 percent of average 71 percent of last year. The Milk River Basin (Bearpaw Mountains) was 98 percent of average and 228 percent of last year.

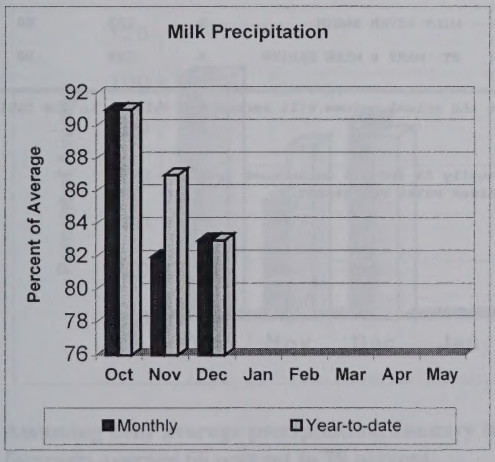


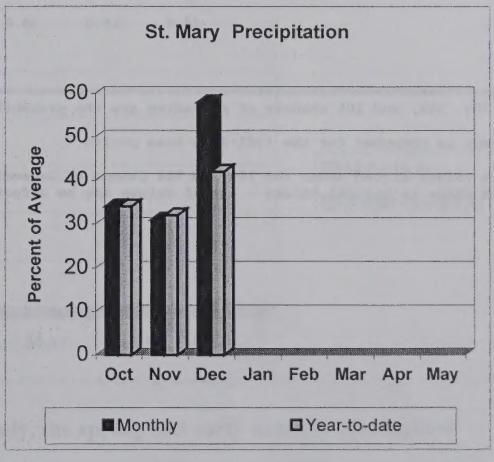


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 1973; March maximum swe was 1978 and minimum swe was 1981; April maximum swe was in 1975 and minimum swe was in 1983; May maximum swe was 1975 and the minimum has occurred in several years. Average is for the period 1961 through 1990.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1992; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1991 and minimum swe was 1992. Average is for the period 1961 through 1990.

Mountain and valley precipitation in the St. Mary River Basin during December was 94 percent of average and 61 percent of last year; and in the Milk River Basin during December was 30 percent of average and 20 percent of last year. Mountain and valley water year precipitation, beginning October 1, 1999, was 104 percent of average and 76 percent of last year.





Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts in the St. Mary average 61 percent to 68 percent. In the Milk the spring and early summer streamflow forecasts average 27 percent to 50 percent.

Lake Sherburne storage was 44 percent of average and 49 percent of last year; Fresno storage was 39 percent of average and 48 percent of last year; Beaver Creek storage was 117 percent of average and 78 percent of last year; and Nelson storage was 34 percent of average and 33 percent of last year.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LAKE SHERBURNE Inflow	APR-JUL	57	68	75	70	82	93	107
	APR-SEP	71	82	89	71	96	107	125
ST. MARY RIVER nr Babb (2)	APR-JUL	207	247	275	70	303	343	395
	APR-SEP	252	295	325	70	355	398	463
ST. MARY RIVER at US/CAN Border (2)	APR-JUL	202	260	300	65	340	398	462
	APR-SEP	257	318	360	67	402	463	539
MILK RIVER at Western Crossing	MAR-JUL	7.5	12.1	17.5	42	29	39	42
	MAR-SEP	7.9	10.2	18.7	41	31	44	46
MILK RIVER @ Milk River, AB (2,3)	MAR-JUL	11.6	15.4	29	45	47	59	64
	MAR-SEP	11.8	18.0	31	45	50	64	69
MILK RIVER at East Cross. (2,3)	MAR-JUL	14.4	22	36	43	59	77	85
	MAR-SEP	15.8	24	39	42	63	88	93
BEAVER CREEK near Havre	MAR-JUL	1.6	3.1	7.0	68	10.9	16.7	10.3

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE SHERBURNE	64.3	9.3	18.9	21.1
FRESNO	127.0	20.5	43.1	53.1
BEAVER CREEK	3.5	2.1	2.7	1.8
NELSON	66.8	13.0	39.8	38.0

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	0	0	0
BEARPAW MOUNTAINS	4	228	98
CYPRESS HILLS, CANADA	0	0	0
MILK RIVER BASIN	4	228	98
ST. MARY & MILK BASINS	4	228	98

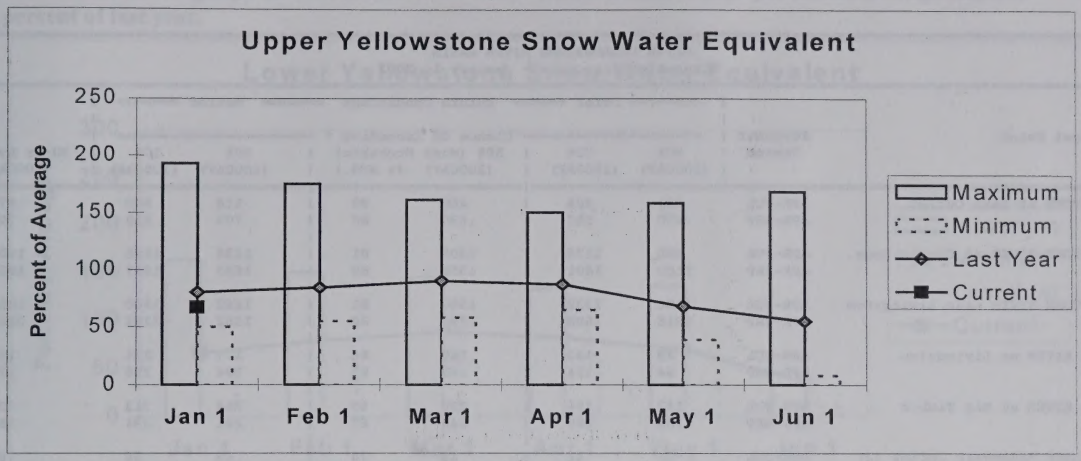
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

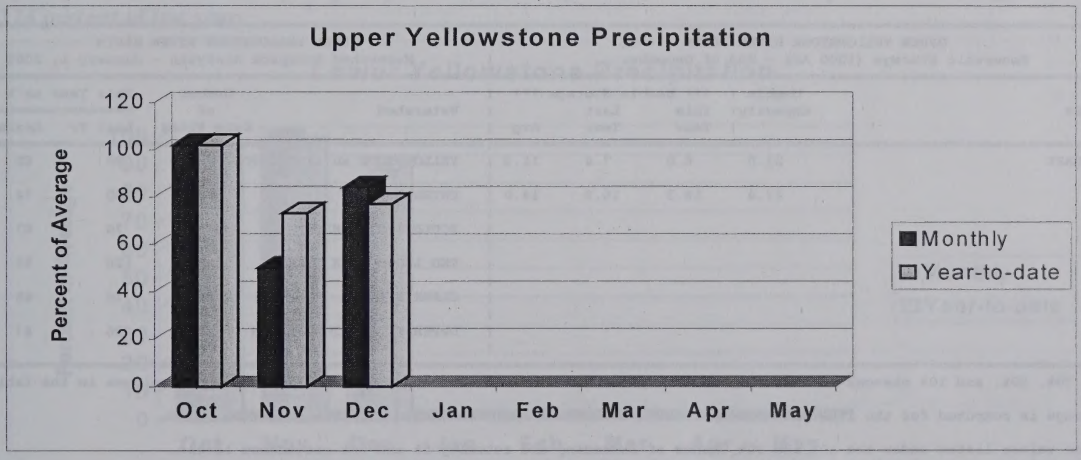
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were well below average. Snow water content was 67 percent of average and 85 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1997 and minimum swe was in 1977; April maximum swe was in 1971 and minimum swe was in 1981; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1982 and minimum swe was in 1987 and 1994. Average is for the period 1961 through 1990.

Mountain precipitation during December was 83 percent of average and 81 percent of last year. Valley precipitation during December was 87 percent of average and 224 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 77 percent of average and 108 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 66 percent to 78 percent.

Mystic Lake storage was 52 percent of average and 81 percent of last year and Cooney storage was 138 percent of average and 114 percent of last year.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YELLOWSTONE at Lake Outlet	APR-JUL	321	404	460	80	516	599	573
	APR-SEP	450	557	630	80	703	810	792
YELLOWSTONE RIVER at Corwin Spgs.	APR-JUL	985	1176	1305	81	1434	1625	1609
	APR-SEP	1183	1401	1550	80	1699	1917	1937
YELLOWSTONE RIVER near Livingston	APR-JUL	1100	1338	1500	81	1662	1900	1855
	APR-SEP	1316	1598	1790	80	1982	2264	2241
SHIELDS RIVER nr Livingston	APR-JUL	49	103	140	86	177	231	162
	APR-SEP	54	114	155	87	196	256	179
BOULDER RIVER at Big Timber	APR-JUL	147	196	230	69	264	313	335
	APR-SEP	156	209	245	67	281	334	364
MYSTIC LAKE Reservoir Inflow (2)	APR-JUL	34	41	45	74	49	56	61
	APR-SEP	48	55	60	76	65	73	79
STILLWATER RIVER nr Absarokee (2)	APR-JUL	279	345	390	78	435	501	498
	APR-SEP	337	410	460	78	510	583	593
CLARKS FORK RIVER nr Belfry	APR-JUL	278	342	385	72	428	492	532
	APR-SEP	301	369	415	70	461	529	590
COONEY RESERVOIR Inflow (2)	APR-JUL	8.1	25	36	77	47	64	47
	APR-SEP	15.1	32	44	77	56	73	57
YELLOWSTONE RIVER at Billings (2)	APR-JUL	1948	2491	2860	80	3229	3772	3577
	APR-SEP	2527	3001	3410	81	3819	4295	4211

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MYSTIC LAKE	21.0	6.0	7.4	11.6
COONEY	27.4	19.3	16.9	14.0

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	13	85	68
SHIELDS	4	100	74
BOULDER-STILLWATER	3	76	67
RED LODGE-ROCK CREEK	1	126	56
CLARK'S FORK	6	76	65
UPPER YELLOWSTONE BASIN	23	86	67

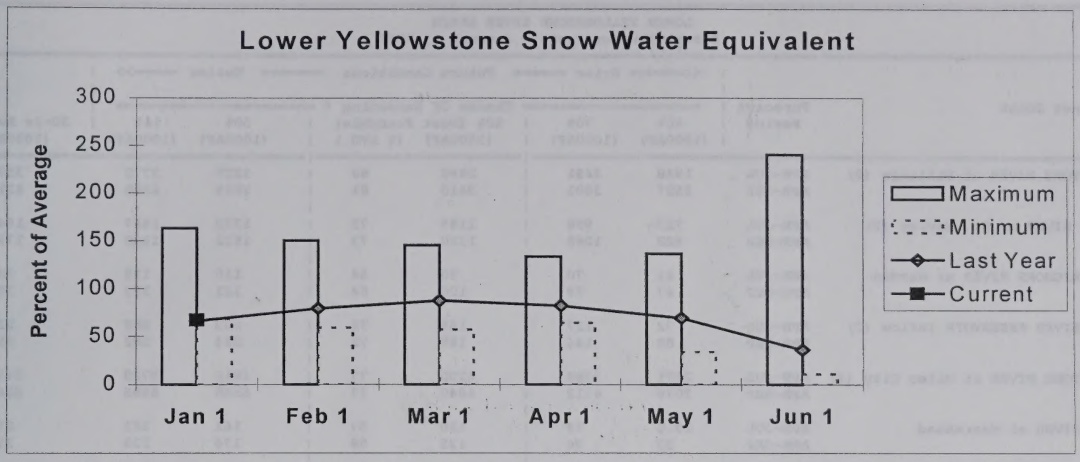
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

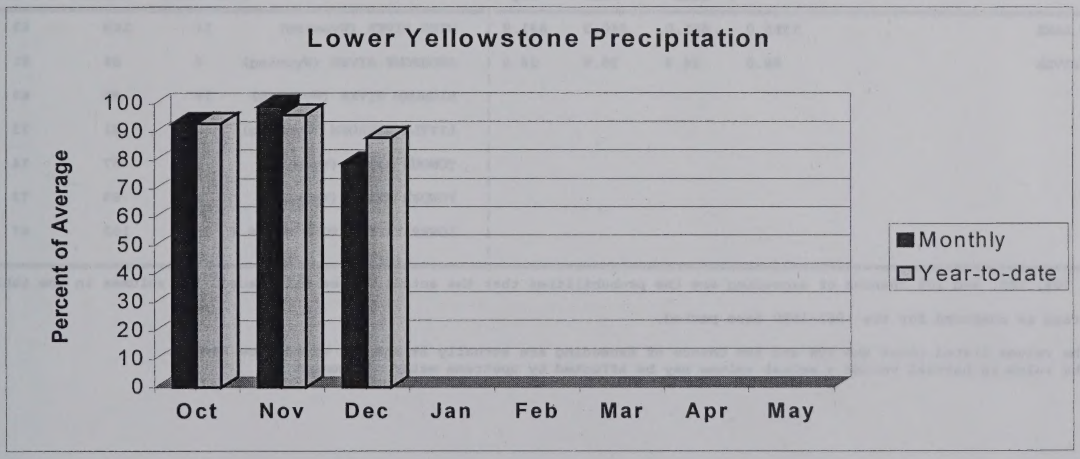
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin (Wyoming), were well below average and near record lows and slightly above 2000 and 1981. Snow water content was 67 percent of average and 102 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1981and 2000; February maximum swe was in 1997 and minimum swe was in 1981; March maximum swe was in 1986 and minimum swe was in 1977; April maximum swe was in 1986 and minimum swe was in 1981; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 1994. Average is for the period 1961 through 1990.

Mountain precipitation (Wyoming) during December was 81 percent of average and 84 percent of last year. Valley precipitation during December was 64 percent of average and 96 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2000, was 88 percent of average and 124 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 52 percent to 67 percent.

Bighorn Lake storage was 99 percent of average and 92 percent of last year and Tongue River storage was 134 percent of average and 97 percent of last year. Tongue Reservoir average appears high due to the completion of raising the dam elevation.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - January 1, 2001

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YELLOWSTONE RIVER at Billings (2)	APR-JUL	1948	2491	2860	80	3229	3772	3577
	APR-SEP	2527	3001	3410	81	3819	4295	4211
BIGHORN RIVER nr St. Xavier (2)	APR-JUL	723	998	1185	72	1372	1647	1645
	APR-SEP	628	1088	1310	73	1532	1920	1794
LITTLE BIGHORN RIVER nr Hardin	APR-JUL	41	70	90	64	110	139	140
	APR-SEP	47	79	100	64	121	153	157
TONGUE RIVER RESERVOIR Inflow (2)	APR-JUL	72	127	165	72	203	258	230
	APR-SEP	88	146	185	72	224	282	256
YELLOWSTONE RIVER at Miles City (2)	APR-JUL	2671	3582	4200	77	4818	5729	5431
	APR-SEP	3078	4112	4840	77	5568	6595	6281
POWDER RIVER at Moorehead	APR-JUL	19.0	79	120	57	161	221	211
	APR-SEP	32	94	135	58	176	238	232
POWDER RIVER near Locate	APR-JUL	19.0	82	125	50	168	231	252
	APR-SEP	23	96	145	53	194	267	276
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	2690	3732	4440	75	5148	6190	5925
	APR-SEP	3050	4295	5140	75	5985	7230	6814

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BIGHORN LAKE	1356.0	881.0	960.3	891.8
TONGUE RIVER	68.0	34.9	35.9	26.0

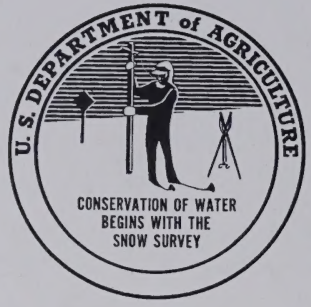
LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2001

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WIND RIVER (Wyoming)	11	143	63
SHOSHONE RIVER (Wyoming)	6	89	61
BIGHORN RIVER (Wyoming)	16	90	65
LITTLE BIGHORN (Wyoming)	2	81	73
TONGUE RIVER (Wyoming)	5	87	74
POWDER RIVER (Wyoming)	6	89	73
LOWER YELLOWSTONE BASIN (	28	102	67

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1961-1990 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.



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Montana
Basin Outlook Report

Natural Resources Conservation Service
Bozeman, MT